

# KENWOOD

## KIV-BT901 KIV-701

### DIGITAL MEDIA RECEIVER **INSTRUCTION MANUAL**

Kenwood Corporation

Before reading this manual, click the button below to check the latest edition and the modified pages.



**Take the time to read through this instruction manual.**

**Familiarity with installation and operation procedures will help you obtain the best performance from your new Digital Media-receiver.**

**For your records**

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your Kenwood dealer for information or service on the product. Model KIV-BT901/ KIV-701 Serial number \_\_\_\_\_

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# Before Use

## ⚠WARNING

### To prevent injury or fire, take the following precautions:

- Do not watch or fix your eyes on the unit's display when you are driving for any extended period.
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.

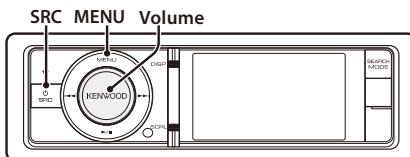
### Do not use this unit before canceling Demonstration mode

This unit is initially set on the Demonstration mode. When using this unit for the first time, cancel the Demonstration mode. Refer to [<Exit of the Demonstration Mode>](#) (page 5).

- The demonstration is an operation image. It may be different from actual operation.

### How to reset your unit

If this unit or the connected unit (auto disc changer, etc.) fails to operate properly, reset the unit. While pressing the [Volume] knob and the [MENU] button, press the [SRC] button for at least 3 seconds. The unit returns to factory settings when the reset operation is complete.



### Cleaning the Unit

If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth.

If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

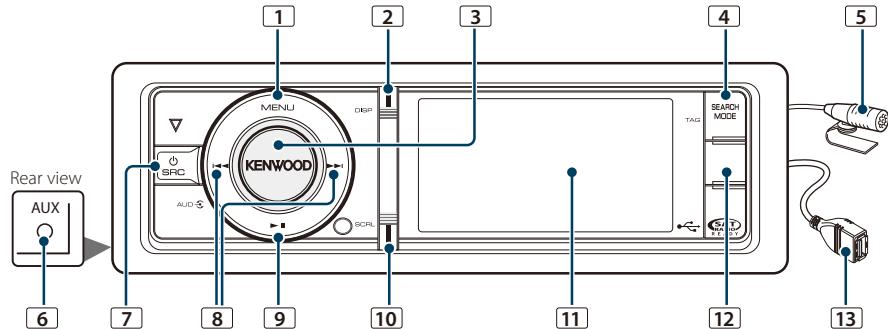


- Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

## Notes

- If you experience problems during installation, consult your Kenwood dealer.
- When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
- Characters that conform to ISO 8859-1 can be displayed.
- The Radio Data System feature won't work where the service is not supported by any broadcasting station.
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may be inapplicable.

# Component Names and Functions



## 1 [MENU] button

To select a song or set functions. See [<Menu List Operation> \(page 5\)](#).

## 2 [DISP] button

To change display item (press the button).

## 3 [Volume] knob

To adjust volume (turn the knob).

To select menu setting item (turn and press the knob). See [<Menu List Operation> \(page 5\)](#) for details.

KIV-BT901 : To display Play mode in the Menu List (press the knob at least 1 second).

KIV-701 : To make a voice dialing call (press the knob at least 1 second). \*<sup>1</sup> See [<Make a Voice Dialing Call> \(page 35\)](#).

## 4 [SEARCH MODE] button

To enter Search mode (iPod), move between folders (Audio file), etc. For more details, see operations of each source described in page 6 or later.

## 5 Microphone (KIV-BT901)

The microphone for hands free phone is supplied.

When your voice cannot be recognized due to the low microphone volume or noises in the vehicle, adjust the microphone settings by [<Bluetooth Setting> \(page 54\)](#).

## 6 Auxiliary Input Terminal

Portable audio device can be connected with the mini-plug (3.5 mm ø).

- Use the mini-plug cable which is stereo type and does not have any resistance.

## 7 [SRC] button

To turn on this unit and select the Source (press the button).

To turn off this unit (press the button at least 1 second).

## 8 [ $\blacktriangleleft$ ] / [ $\triangleright$ ] buttons

To select a station and song. (press the button).

## 9 [ $\triangleright$ II] button

To start or interrupt playback for audio file and iPod. (press the button).

To select the remove mode, and remove the USB device or an iPod (press the button at least 2 seconds or more).

## 10 [SCRL] button

Scrolls the display text (press the button).

## 11 Display window

## 12 KIV-BT901: [ $\text{BT}$ ] button

To enter Bluetooth mode (press the button).

To enter Bluetooth easy pairing mode (press the button at least 1 second). See [<Easy pairing function> \(page 54\)](#).

## KIV-701: [iPod] button

To select iPod source (press the button).

To enter Bluetooth mode (press the button at least 1 second). \*<sup>1</sup>

## 13 USB Terminal

A USB device or an iPod can be connected.



\*<sup>1</sup> Only with KCA-BT300/BT200 (optional accessory) connected.

# General Operation

## Exit of the Demonstration Mode

Turn off the demonstration mode when you use it for the first time after installation.

- 1 Press the [Volume] knob to quit the demonstration mode when the message "To Cancel DEMO Press the volume knob" is displayed (approx. 15 seconds).
- 2 Turn the [Volume] knob to select "YES" and then press the [Volume] knob.

## Power and Source Select

Turns the power ON by pressing the [SRC] button.  
When the power is ON, select a source.

- SRC Select mode 1: Pressing the [SRC] button each time switches between sources.  
Tuner ("TUNER" or "HD HD RADIO") → USB ("USB"), iPod ("iPod") or Zune ("Zune")  
→ Pandora ("Pandora") → Internal Memory ("Int.Mem.") → Auxiliary Input ("AUX") → Standby ("STANDBY")
- SRC Select mode 2: Press the [SRC] button and then turn the [Volume] knob. To determine the selected source, press the [Volume] knob.  
Keeping pressing the [SRC] button for at least 1 second turns the power OFF.



- The SRC Select mode can be set in "Source Select" of [Initial Settings](#) (page 43).
- Auxiliary input source is initially set to "OFF". Set "Built in AUX" described in [Initial Settings](#) (page 43) to "ON".
- To use the Pandora source, set "Pandora Source" in [Initial Settings](#) (page 43) to "ON".
- When an optional accessory is connected, the source name for each device appears.
- When connection of the iPod or Zune is recognized, the source display changes from "USB" to "iPod", "Zune".

## Volume

Turning the [Volume] knob adjusts the sound volume.

## Menu List Operation

The basic operating procedure for using this function is described below. The individual function items are covered in the operating procedures.

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Function items vary from source to source. For a list of the function items, refer to [\(page 72\)](#).

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Menu List mode

Press the [MENU] button.

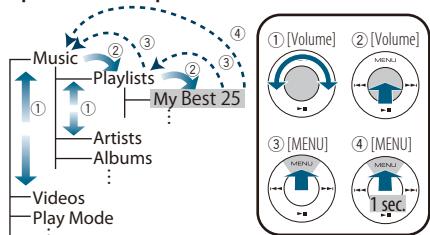
### 3 Select the setting item

Turn the [Volume] knob and press it when the desired item is displayed.

Repeat the operation until your desired setup item is selected.

↳ Press the [MENU] button to return to the previous item.

### Operation example:



In this manual, the above selection is indicated as **Select "Music" > "Playlists" > "My Best 25"**.

### 4 Make a setting

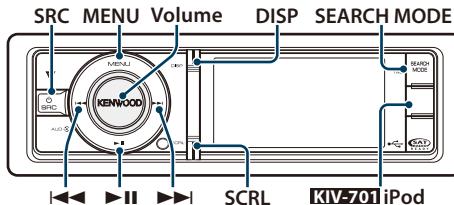
Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 5 Exit Menu Setting mode

Press the [MENU] button for at least 1 second to return to the first hierarchy.

Press the [MENU] button in the first hierarchy to exit the Menu List mode.

# iPod/iPhone Operation



KCA-iP202 (optional accessory) is required to connect an iPod.  
(Do not use extension cables.)

## Basic Operation

### Playing iPod

#### • Connect an iPod

When connected, the source is switched automatically and a song starts playing.

#### • Select iPod source

Press the [SRC] button repeatedly also switches source.

Select the " iPod" display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### Song Select

Press the [ $\blacktriangleleft\blacksquare$ ] or [ $\blacksquare\triangleright$ ] button.

↳ This unit cannot be operated for a few seconds while reading Artwork after selecting a song.

### Fast Forwards or Fast Backwards

Hold down the [ $\blacktriangleleft\blacksquare$ ] or [ $\blacksquare\triangleright$ ] button.

### Pause and Play

Press the [ $\blacksquare\blacksquare$ ] button to pause or resume playback.

### Remove iPod

Press the [ $\blacksquare\blacksquare$ ] button for at least 2 seconds.

The unit enters the USB REMOVE mode ("USB REMOVE" is displayed), and the iPod can be removed safely.

### iPod control by Hand mode

#### KIV-701

Press the [iPod] button.

When set to "ON", allows you to operate iPod with the control on the iPod.

#### KIV-BT901

The setting of "iPod By Hand Mode" in <Play Mode> (page 8).

### USB Device select

iPod may not be recognized when USB HUB is used. Switch to the device to be connected.

#### 1. Enter Menu List mode

Press the [MENU] button.

#### 2. Turn the [Volume] knob and press it when the desired item is displayed.

Select "Port Up".

Repeat these steps to switch to the device to be connected.



• For more details on USB HUB, see <About USB hub> (page 71).

### Switching display

Press the [DISP] button to select display mode.

Selects the Artwork small, Artwork large, Video or Clock.

↳ The Video mode is displayed only when you have applied the parking brake.

Display example of Artwork small mode



① Song information (see <Customization of Display> (page 40))

② Play time and play time bar

③ Browse item

④ Album art

⑤ Play mode indicator (see <Display Indicator items> (page 76))

## Selecting a Song by Browsing iPod

Display	Items
"Music"	
"Playlists"	Playlists
"Artists"	Artists
"Albums"	Albums
"Songs"	Songs
"Podcasts"	Podcasts
"Genres"	Genres
"Composers"	Composers
"Audibooks"	Audio books
"Videos"*	
"Video Playlists"	Video Playlists
"Movies"	Movies
"Music Videos"	Music Videos
"TV Shows"	TV Shows
"Video Podcasts"	Video Podcasts
"Rentals"	Rentals

\* Name and number of items displayed in "Videos" are the same as the iPod.

### 1 Select iPod source

Press the [SRC] button repeatedly also switches source.

Select the " iPod" display.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Turn the [Volume] knob and press it when the desired item is displayed.

Select "Music" or "Videos".

### 4 Select a song

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
Page up or down	Press the [DISP] or [SCRL] button. Press the [DISP] or [SCRL] button for at least 1 second to continuously scroll. Press the button again to stop scrolling.
Return to previous item	Press the [MENU] button.
Return to Top menu	Press the [MENU] button for at least 1 second.

☞ For example: Searching by Artist name.

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Music" > "Artists" > Artist name > Album name > Song title

## Cancelling the Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



The unit memorizes the position where you have found a song in the Search mode. When you enter the Menu List mode after searching a song, the memorized position is displayed. Press the [MENU] button for at least 1 second to move to the first hierarchy, select a Menu item, and set its parameters.

- Characters which cannot be displayed are left blank. If none of the characters can be displayed, the browse item name and digits are displayed.

Items	Display	Items	Display
Playlists	"PLIST****"	Podcasts	"PDCT****"
Artists	"ART****"	Genres	"GEN****"
Albums	"ALB****"	Composers	"COM****"
Songs	"PRGM****"		

"CAT\*\*\*\*" "LIST\*\*\*\*" or "PRGM\*\*\*\*" may be displayed depending on the hierarchy of Video files folders.

# iPod/iPhone Operation

## Play Mode

You can select a Play Mode, such as Random play and Repeat play.

### 1 Select iPod source

Press the [SRC] button repeatedly also switches source.

Select the “ iPod” display.

### 2 Enter Play Mode in the Menu List

**KIV-BT901: Press the [Volume] knob for at least 1 second.**

☞ You can also select from “Play Mode” in Menu List mode.

**KIV-701:**

1. Press the [MENU] button.
2. Turn the [Volume] knob and press it when the desired item is displayed.  
Select “Play Mode”.

### 3 Select the Play Mode

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Overview
“Play Mode”	
“iPod By Hand Mode”	When set to “ON”, allows you to operate iPod with the control on the iPod. On “ <input checked="" type="checkbox"/> ”/ Off “ <input type="checkbox"/> ”
“Folder Random”	When set to “ON”, plays the music in the folder randomly. (Music only) On “ <input checked="" type="checkbox"/> ”/ Off “ <input type="checkbox"/> ”
“All Random”	When set to “ON”, plays all songs in iPod randomly. (Music only) On “ <input checked="" type="checkbox"/> ”/ Off “ <input type="checkbox"/> ”
“File Repeat”	When set to “ON”, plays the music repeatedly. On “ <input checked="" type="checkbox"/> ”/ Off “ <input type="checkbox"/> ”

(    : Factory setting)

### 4 Make a setting

Press the [Volume] knob.

### 5 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

## Remarks

### All Random

- The time required to turn on the all random function may become longer depending on the number of songs in iPod.
- Turning on the all random function changes the iPod browse item to “Songs”. This browse item will not be changed even if the all random function is turned off.

- If the browse item is changed to search for music while the all random function is on, the all random function is turned off and the songs in the browse item are played at random.

### iPod By Hand Mode (iPod Control by Hand Mode)

Allows you to operate iPod with the control on the iPod.



- In the iPod Control by Hand Mode, controllable functions of iPod using this unit are those described in <Basic Operation>.
- This mode is not compatible with music information display. The display will show “iPod By Hand Mode”.
- iPod can be operated when it conforms to the iPod control function.
- When you cancel the hand mode while playing a video file, the video file stops and a music file starts.

## iPod Setting

You can select following iPod Setting items.

### 1 Select iPod source

Press the [SRC] button repeatedly also switches source.

Select the “ iPod” display.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Turn the [Volume] knob and press it when the desired item is displayed.

Select “Settings”.

### 4 Select the setting item

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Overview
“Settings”	
“Skip Search”	Sets the ratio of skip performed with <Skip Search> (page 11). “0.5%”/“1%”/“5%”/“10%”
“Device F/W Version”	Display the version of the firmware of this unit.
“Delete My Playlist”	Deletes the registered My Playlist. Refer to <My Playlist> (page 12) for the operation. “Delete One”/“Delete All” → “YES”/“NO”
“Audiobook Speed”	Sets the audio book playback speed. “Slower”/“Normal”/“Faster”
“Sound Check”	Sets the sound volume of all songs to the same level. The sound volume adjustment is required using iTunes. “ON”/“OFF”

(    : Factory setting)

## 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

## 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



- The setting of "Skip Search" in [<iPod Setting> \(page 8\)](#) and that in [<USB Setting> \(page 19\)](#) are always the same. Changing the setting of one reflects the other.

## Selecting the Search Mode

You can select the most suited search method for the desired song.

### Search mode in Normal playing

Display	Overview
"Direct Search"	You can quickly search the desired song by specifying its Search item (artist, album, etc.) and character. Refer to <a href="#">&lt;Direct Search&gt; (page 10)</a> .
"Related Search"	Searches for music of the same artist or genre as the one being played. (Music only) Refer to the <a href="#">&lt;Related Search&gt; (page 10)</a> .
"Recall My Playlist"	Registers a song to My Playlist and play it. Refer to <a href="#">&lt;My Playlist&gt; (page 12)</a> .
"Delete My Playlist"	
"Register My Playlist"	

### Search mode in Browsing

Display	Overview
"Direct Search"	You can quickly search the desired song by specifying its Search item (artist, album, etc.) and character. Refer to <a href="#">&lt;Direct Search&gt; (page 10)</a> .
"Alphabet Search"	You can select an alphabetic character from the list in the browse item (artist, album, etc.) selected now. Refer to <a href="#">&lt;Alphabet Search&gt; (page 11)</a> .
"Skip Search"	The number of songs to be skipped is determined by the ratio of the total number of songs in the list which is selected now. Refer to <a href="#">&lt;Skip Search&gt; (page 11)</a> .
"Register My Playlist"	Registers a song to My Playlist. Refer to <a href="#">&lt;My Playlist&gt; (page 12)</a> .

## 1 Select iPod source

Press the [SRC] button repeatedly also switches source.

Select the " iPod" display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

## 2 Enter Search mode

Press the [SEARCH MODE] button.

↳ The search mode you can select changes depending on normal playback or browsing. For browsing operation, see [<Selecting a Song by Browsing iPod> \(page 7\)](#).

## 3 Select the Search mode

Turn the [Volume] knob.

## 4 Start the search mode

Press the [Volume] knob.

### Cancelling Search mode

Press the [SEARCH MODE] button.

# iPod/iPhone Operation

## Direct Search

You can quickly search the desired song by specifying its Search item (artist, album, etc.) and character.

### 1 Select iPod source

Press the [SRC] button repeatedly also switches source.

Select the " iPod" display.

### 2 Enter Search mode

Press the [SEARCH MODE] button.

### 3 Enter Direct Search mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Direct Search".

### 4 Select the browse item

Turn the [Volume] knob and press it when the desired browse item is selected.

Display	Items	Display	Items
"Music"		"Videos"**1	
"Playlists"	Playlists	"Video Playlists"	Video Playlists
"Artists"	Artists	"Movies"	Movies
"Albums"	Albums	"Music Videos"	Music Videos
"Songs"	Songs	"TV Shows"	TV Shows
"Podcasts"	Podcasts	"Video Podcasts"	Video Podcasts
"Genres"	Genres	"Rentals"	Rentals
"Composers"	Composers		
"Audiobooks"	Audio books		

\*1 Name and number of items displayed in "Videos" are the same as the iPod.

### 5 Select the character to be searched for

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
Move to the next column	Press the [ $\blacktriangleleft$ ] or [ $\triangleright$ ] button.

Up to 3 characters can be entered.

### 6 Determine the selected character

Turn the [Volume] knob and press it when the desired item is displayed.

Select "DONE".

Start search. When the search is completed, the music search mode is selected again at the selected character position.

After this step, you need to browse. See step 4 of <Selecting a Song by Browsing iPod> (page 7) to select a song.

## Cancelling the Direct Search

Press the [SEARCH MODE] button.



- Characters that can be entered are alphabetical characters (A to Z), numerical characters (0 to 9), and "\*" .
- "\*" indicates characters other than alphabetical and numerical characters. You cannot enter any more characters when entering "\*" in the first character position.
- If the first character string begins with an article "a", "an", or "the" in the Direct Search mode, it is searched for in defiance of the article.

## Related Search

Searches for music of the same artist or genre as the one being played. (Music only)

### 1 Play the music in iPod

Press the [SEARCH MODE] button.

### 2 Enter Related Search mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Related Search".

### 3 Select the browse item

Turn the [Volume] knob and press it when the desired browse item is selected.

Display	Browses music
"Search Artist"	Displays the album of the same artist.
"Search Album"	Displays music in the album in which the one being played is included.
"Search Genre"	Displays the artist of the same genre.
"Search Composer"	Displays the album including music created by the same composer.

After this step, you need to browse. See step 4 of <Selecting a Song by Browsing iPod> (page 7) to select a song.

## Cancelling the Related Search

Press the [SEARCH MODE] button.



- Related search cannot be performed while playing the video file.
- When the music being played has no information on browsing items or no music was found, "Not Found" is displayed.

## Alphabet Search

You can select a song by alphabet. This function searches songs whose name contain the specified character(s) in the list of the selected Search item (artist, album, etc).

### 1 Select iPod source

Press the [SRC] button repeatedly also switches source.

Select the “ iPod” display.

### 2 Enter browsing mode

Press the [MENU] button.

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Music” or “Videos” > category > brows item.

### 3 Enter Alphabet Search mode

Press the [SEARCH MODE] button.

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Alphabet Search”.

### 4 Search for item

Operation type	Operation
Select the character	Press the [DISP] or [SCRL] button.
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
Return to previous item	Press the [MENU] button.

#### Cancelling the Alphabet Search

Press the [SEARCH MODE] button.



- The time of search by alphabet may become long depending on the number of songs or items in iPod.
- If the first character string begins with an article “a”, “an”, or “the” in the Alphabet Search mode, it is searched for in defiance of the article.

## Skip Search

You can scroll up or down according to the number of the selected Search items so that you can quickly switch the display position.

### 1 Select iPod source

Press the [SRC] button repeatedly also switches source.

Select the “ iPod” display.

### 2 Enter browsing mode

Press the [MENU] button.

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Music” or “Videos” > category > brows item.

### 3 Enter Skip Search mode

Press the [SEARCH MODE] button.

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Skip Search”.

### 4 Search for item

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
Skip Search	Press the [DISP] or [SCRL] button. Keep pressing the button for 3 seconds or longer skips songs at 10% irrespective of the setting.
Sets the ratio of skip performed	Press the [   ] button.
Return to previous item	Press the [MENU] button.

#### Cancelling the Skip Search

Press the [SEARCH MODE] button.



- Set the ratio with “Skip Search” in [<iPod Setting>](#) (page 8).

# iPod/iPhone Operation

## My Playlist

Allows you to register your favorite songs in the Playlist of this unit. You can register up to 30 songs in the Playlist.

### Registering Songs in the Playlist

#### 1 Play the song you want to register

#### 2 Press the [SEARCH MODE] button.

#### 3 Register the song

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Register My Playlist".

"## Stored (Registration number)" is displayed.



- Make a Playlist from the songs stored in one iPod. If you attempt to register a song stored in a different iPod, "No Information" appears and then "ALL Delete?" appears. Select "YES" to delete the Playlist when you want to remake it.
- The song displayed in the Music Search mode can be registered in the same manner. For how to use the music search function, refer to [<Selecting a Song by Browsing iPod> \(page 7\)](#).
- If you attempt to register the 31st song, "Memory Full" appears and you cannot register it accordingly. To register the song, delete an unnecessary song.
- Do not register Podcasts. Songs you do not want to register may be registered, or playback may not be carried out correctly.

### Playing the Song in the Playlist

#### 1 Press the [SEARCH MODE] button.

#### 2 Enter My Playlist mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Recall My Playlist".

#### 3 Play the song in the Playlist

Turn the [Volume] knob and press it when the desired item is displayed.

Select the song you want to play.



- Turning ACC OFF or the power OFF cancels the My Playlist mode.
- The ending of a song may be cut unless the song has a silence of 1 second or longer at the end.
- Random play cannot be performed during playback of a song in the Playlist.

### Deleting a Song from the Playlist

#### 1 Press the [SEARCH MODE] button.

#### 2 Enter Delete Playlist mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Delete My Playlist".

#### 3 Turn the [Volume] knob and press it when the desired item is displayed.

Select "Delete One" or "Delete All".

Selecting "Delete All" moves to step 5 and all songs are deleted.

#### 4 Turn the [Volume] knob and press it when the desired item is displayed.

Select the song you want to delete.

#### 5 Turn the [Volume] knob and press it when the desired item is displayed.

Select "YES".

"Completed" is displayed.

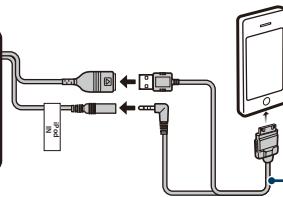
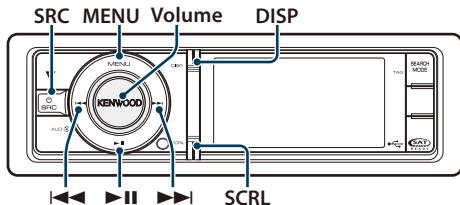


- You can also delete all songs from the Playlist by selecting "Delete My Playlist" described in [<iPod Setting> \(page 8\)](#).

- If you connect the different iPod from one registered to My Playlist, "Delete One" and "Delete All" will not appear and all songs be deleted.



# PANDORA® internet radio Operation



KCA-iP202 (optional accessory) is required to connect an iPhone.  
(Do not use extension cables.)

## Basic Operation

### Listening to PANDORA® internet radio

#### • Connect an iPhone

Connecting the iPhone with the Pandora application running will switch the source automatically to start broadcasting from the registered station.

#### • Select Pandora source

Press the [SRC] button repeatedly also switches source.

Select the "P" Pandora display.

- ↳ If the Pandora application is not running, "Check Device" is displayed.
- ↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.



- To use the Pandora source, set "Pandora Source" in <Initial Settings> (page 43) to "ON".
- If no station has been selected, broadcasting does not start.

### Pause and Play

Press the [▶II] button to pause or resume playback.

### Thumbs up

Press the [DISP] button for at least 1 second.  
"↑" is displayed.

### Thumbs down

Press the [SCRL] button for at least 1 second.  
"↓" is displayed. Skips the current song.

### Song skip

Press the [▶▶I] button.

- ↳ If the skip count limit specified by Pandora is exceeded, "No skips remaining" is displayed.

### Remove iPhone

Press the [▶II] button for at least 2 seconds.

The unit enters the USB REMOVE mode ("USB REMOVE" is displayed), and the iPhone can be removed safely.

### USB Device select

iPhone may not be recognized when USB HUB is used. Switch to the device to be connected.

#### 1. Enter Menu List mode

Press the [MENU] button.

#### 2. Turn the [Volume] knob and press it when the desired item is displayed.

Select "Port Up".

Repeat these steps to switch to the device to be connected.



- For more details on USB HUB, see <About USB hub> (page 71).

### Switching display

Press the [DISP] button to select display mode.

Selects the Artwork small, Artwork large or Clock.

Display example of Artwork small mode



① Song information (see <Customization of Display> (page 40))

② Play time and play time bar

③ Album art

④ Thumbs indicator

## Station Search

You can select the station you want to listen to from your station list.

### 1 Select Pandora source

### 2 Enter Menu List mode

Press the [MENU] button.

**3 Turn the [Volume] knob and press it when the desired item is displayed.**  
 Select "Stations" > "A-Z" (Stations are displayed in alphabetical order) or "By Date" (Stations are displayed in date order).  
 A station list is displayed.

#### 4 Select a station

Turn the [Volume] knob and press it when the desired item is displayed.

#### 5 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

### Bookmark Registration

You can register the current song information or artist information in Bookmark.

#### 1 Select Pandora source

#### 2 Enter Menu List mode

Press the [MENU] button.

**3 Turn the [Volume] knob and press it when the desired item is displayed.**  
 Select "Bookmarks" > "Bookmark Song" (to register song information) or "Bookmark Artist" (to register artist information).

#### 4 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



- This unit allows you to bookmark songs and/or artists in your personalized PANDORA® account. The bookmarks will not be available for review on the unit but will be available in your PANDORA® account.

### Search and New Station Registration

You can search for the desired station by specifying its character. You can register the displayed station as a new station.

#### 1 Select Pandora source

#### 2 Enter Menu List mode

Press the [MENU] button.

**3 Turn the [Volume] knob and press it when the desired item is displayed.**  
 Select "New Stations".

#### 4 Select the character to be searched for

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
Move to the next column	Press the [ $\blacktriangleleft$ ] or [ $\triangleright$ ] button.
Return to previous item	Press the [MENU] button.

Up to 3 characters can be entered.

#### 5 Determine the selected character

Turn the [Volume] knob and press it when the desired item is displayed.

Select "DONE".

Start search.

#### 6 Select a station

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.

#### Cancelling the Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



- Characters that can be entered are alphabetical characters (A to Z), numerical characters (0 to 9), and other symbols ("& ", " ", " ", " ", "# ", "+ ", "!", "\$ ", " " ).

### Deletion of Station

You can delete registered station information.

#### 1 Select Pandora source

#### 2 Enter Menu List mode

Press the [MENU] button.

**3 Turn the [Volume] knob and press it when the desired item is displayed.**

Select "Station Delete" > "A-Z" (Stations are displayed in alphabetical order) or "By Date" (Stations are displayed in date order).

**4 Turn the [Volume] knob and press it when the desired item is displayed.**

Select the station you want to delete.

**5 Turn the [Volume] knob and press it when the desired item is displayed.**

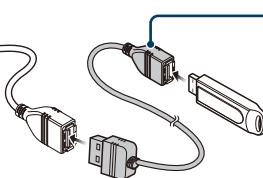
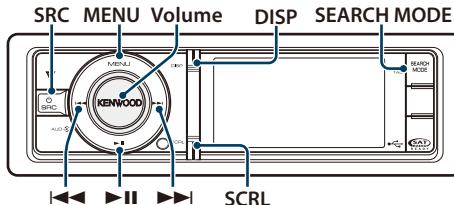
Select "YES".

"Completed" is displayed.

#### Cancelling the Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

# USB device/ Zune/ Internal Memory Operation



## Basic Operation

### Playing USB device

#### • Connect a USB device

When connected, the source is switched automatically and a song starts playing.

#### • Select USB/ Zune/ Internal memory source

Press the [SRC] button repeatedly also switches source.

Select the “ USB”, “ Zune” or “ Int.Mem.” display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### Moving to the next folder (Except for Music Editor media or Zune)

Press the [SEARCH MODE] button.

### Song Select

Press the [] or [] button.

### Fast Forwards or Fast Backwards

Hold down the [] or [] button.

### Pause and Play

Press the [] button to pause or resume playback.

### Remove USB device

Press the [] button for at least 2 seconds.

The unit enters the USB REMOVE mode (“USB REMOVE” is displayed), and the USB device can be removed safely.

### USB Device select

USB device may not be recognized when USB HUB is used. Switch to the device to be connected.

#### 1. Enter Menu List mode

Press the [MENU] button.

#### 2. Turn the [Volume] knob and press it when the desired item is displayed.

Select “Port Up”.

Repeat these steps to switch to the device to be connected.

### Multi card reader Drive Search

Selecting the device inserted in the Multi Card Reader.

#### 1. Enter Menu List mode

Press the [MENU] button.

#### 2. Select a drive

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Drive Select” > “Drive#”.

### Switching display

Press the [DISP] button to select display mode.

Selects the Artwork small, Artwork large, Video or Clock.

↳ The Video mode is displayed only when you have applied the parking brake.

Display example of Artwork small mode



① Song information (see [Customization of Display](#) (page 40))

② Play time and file number

③ File format indicator

④ Album art

⑤ Play mode indicator (see [Display Indicator items](#) (page 76))

### About Internal Memory

Audio files, Video files or Picture files can be stored by copying from a USB device.

• Built-in flash memory: 512 MB

## File Search

Selecting the file you want to listen to from the device being played now.

### USB device/ Internal memory source

Display	Items
"USB List"/ "Internal Memory List"	Folder or file name list.

### Music Editor media

Display	Items
"Music"	
"Playlists"	Playlists
"Artists"	Artists
"Albums"	Albums
"Songs"	Songs
"Genres"	Genres

### Zune

Display	Items
"Music"	
"Genres"	Genres
"Artists"	Artists
"Albums"	Albums
"Songs"	Songs
"Playlists"	Playlists

## 1 Select USB/ Zune/ Internal memory source

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Turn the [Volume] knob and press it when the desired item is displayed.

Select "USB List", "Internal Memory List" or "Music".

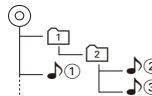
### 4 Select a file

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
Page up or down	Press the [DISP] or [SCRL] button. Press the [DISP] or [SCRL] button for at least 1 second to continuously scroll. Press the button again to stop scrolling.
Return to previous item	Press the [MENU] button.
Return to Top menu	Press the [MENU] button for at least 1 second.

For example: Searching for ♪②.

Turn the [Volume] knob and press it when the desired item is displayed.

Select "USB List" > ① > ② > ♪②



### Cancelling the Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



- When you search a song in the File Search mode, the unit memorizes the position of the song being played after the search. To set a different Menu item after searching a song, press the [MENU] button for at least 1 second to move to the first hierarchy.

### Remarks

#### • Displaying picture files

The playback of audio file continues even when a picture file is selected during playback. Pressing the [◀◀] or [▶▶] button switches between picture files.

# USB device/ Zune/ Internal Memory Operation

Function of Zune/ Music Editor media

## Skip Search

You can scroll up or down according to the number of the selected Search items so that you can quickly switch the display position.

### 1 Select USB or Zune source

### 2 Enter File Search mode

Press the [MENU] button.

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Music" > item.

### 3 Enter Skip Search mode

Press the [SEARCH MODE] button.

### 4 Search for item

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
Skip Search	Press the [DISP] or [SCRL] button. Keep pressing the button for 3 seconds or longer skips songs at 10% irrespective of the setting.
Sets the ratio of skip performed	Press the [ $\blacktriangleleft$ ] or [ $\triangleright$ ] button.
Return to previous item	Press the [MENU] button.

After this step, see step 4 of <File Search> (page 17) to select a song.

### Cancelling the Skip Search

Press the [SEARCH MODE] button.



- Set the ratio with "Skip Search" in <iPod Setting> (page 8).

## Play Mode

You can select a Play Mode, such as Random play and Repeat play.

### 1 Select USB/ Zune/ Internal memory source

### 2 Enter Play Mode in the Menu List

KIV-BT901: Press the [Volume] knob for at least 1 second.

☞ You can also select from "Play Mode" in Menu List mode.

KIV-701:

1. Press the [MENU] button.

2. Turn the [Volume] knob and press it when the desired item is displayed.

Select "Play Mode".

### 3 Select the setting item

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Overview
"Play Mode"	
"File Scan"	When set to "ON", plays the intro of the music in the folder successively. On <input checked="" type="checkbox"/> / Off <input type="checkbox"/>
"Folder Random"	When set to "ON", plays the music in the folder randomly. On <input checked="" type="checkbox"/> / Off <input type="checkbox"/>
"All Random"*	When set to "ON", plays all songs in USB device randomly. On <input checked="" type="checkbox"/> / Off <input type="checkbox"/>
"File Repeat"	When set to "ON", plays the music repeatedly. On <input checked="" type="checkbox"/> / Off <input type="checkbox"/>
"Folder Repeat"**	When set to "ON", plays the music in the folder repeatedly. On <input checked="" type="checkbox"/> / Off <input type="checkbox"/>

(  : Factory setting)

\*<sup>1</sup> Not selectable when Music Editor media or Zune is used.

### 4 Make a setting

Press the [Volume] knob.

### 5 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

## Direct Music Search

Searching the music by entering the file number.

### 1 Enter Direct Music Search mode

Press the [DIRECT] button on the remote control.

### 2 Enter the music number

Press the number buttons on the remote control.

### 3 Search the music

Press the [ $\blacktriangleleft\blacksquare$ ] or [ $\triangleright\blacksquare$ ] button.

### Cancelling Direct Music Search

Press the [DIRECT] button.



- Direct Music Search cannot be performed during playing of Zune/“Music Editor” media, Random play, or scan play.

## USB Setting

You can select following USB Setting items.

### 1 Select USB source

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Turn the [Volume] knob and press it when the desired item is displayed.

Select “Settings”.

### 4 Select the setting item

Turn the [Volume] knob and press it when the desired item is displayed.

#### Display

#### Overview

Display	Overview
“Settings”	Sets the ratio of skip performed with <a href="#">&lt;Skip Search&gt; (page 18)</a> . “0.5%”/“1%”/“5%”/“10%”
“Device F/W Version”	Display the version of the firmware of this unit.
“Device F/W Update”	Updates the firmware. The update information will be posted on the following URL as necessary. <a href="http://www.kenwood.com/cs/cel/">www.kenwood.com/cs/cel/</a>

(  $\underline{\hspace{1em}}$  : Factory setting)

\*<sup>1</sup> Selectable when Music Editor media or Zune is used.

### 5 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



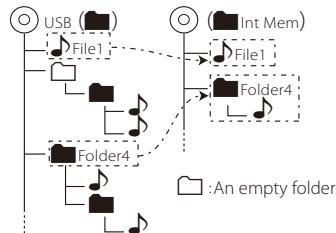
- The setting of “Skip Search” in [<iPod Setting> \(page 8\)](#) and that in [<USB Setting> \(page 19\)](#) are always the same. Changing the setting of one reflects the other.

# USB device/ Zune/ Internal Memory Operation

Function of USB source

## Copying from USB device

Copy files and folders from USB device to internal memory.



### 1 Select USB source

Press the [SRC] button repeatedly also switches source.

Select the "USB" display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Copy mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Copy from USB".

### 4 Select a file or folder to copy

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
High Speed Search	Press the [DISP] or [SCRL] button.
Return to previous item	Press the [MENU] button.
Return to Top menu	Press the [MENU] button for at least 1 second, and then press it again briefly.

### 5 Determine the selected file or folder

Press the [Volume] knob for at least 3 seconds.

### 6 Start copy

Turn the [Volume] knob and press it when the desired item is displayed.

Select "OK".

"Completed" is displayed when copying completes.

↳ Cancelling copy

1. Press the [Volume] knob.
2. Turn the [Volume] knob and press it when the desired item is displayed. Select "YES".

### 7 Exit Copy mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "EXIT".

Returns to step 3 if "NEXT" is selected.



- If a folder is selected, the files in the folder are copied. Sub folders are not copied.
- If there is a file or folder with the same name, a message is displayed. If you select "OK", a number is added as "Name\_001".
- If there is not enough space for the selected files or folders, "MEMORY OVER" is displayed. Reduce the number of files to copy or erase unnecessary files in the USB memory.
- If copying is canceled or if space runs out while copying, the files copied up to that point remain.
- The displayed space is a rough estimate. The actual size may be smaller or greater.
- Audio files with DRM can be copied, but cannot be played.
- Depending on the digital audio player, it may not be able to copy files.
- When files are copied from Music Editor media, the copied audio files are played as normal audio file. Song selection using the Music Editor media function is not possible.
- Files may be lost if the engine is started while copying.
- Copy with the engine running.
- The file in the internal memory cannot be copied to another media.
- If a Hands-Free phone call is received while copying files from the USB device, the copying stops.
- Only the following controls can be used while copying, or erasing:
  - Volume
  - Attenuator
  - Power off

### When copying is interrupted

If ACC is turned off while copying, a screen to confirm whether to continue copying appears next time ACC is turned on (Resume function).

1 When "Continue USB Copy?" is displayed.

2 Turn on the engine and then select "YES".

3 Press the [Volume] knob.

Copying resumes.

Function of Internal memory source

## Deleting Files in Memory

Deleting Files in Memory.

Display	Items
"Settings"	
"Internal Memory Delete"	Delete a folder or file.
"Internal Memory Format"	Perform format to delete all files stored in internal memory.

### Internal Memory Format

#### 1 Select Internal memory source

Press the [SRC] button repeatedly also switches source.

Select the "Int.Mem." display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

#### 2 Enter Menu List mode

Press the [MENU] button.

#### 3 Enter Internal memory Format mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Internal Memory Format".

#### 4 Turn the [Volume] knob and press it when the desired item is displayed.

Select "YES".

"Completed" is displayed when deleting completes.

#### 5 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

### Deleting file or folder

#### 1 Select Internal memory source

Press the [MENU] button.

#### 3 Enter Delete mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Internal Memory Delete".

#### 4 Select a file or folder to delete

Operation type	Operation
Move between items	Turn the [Volume] knob.
Select an item	Press the [Volume] knob.
High Speed Search	Press the [DISP] or [SCRL] button.
Return to previous item	Press the [MENU] button.
Return to Top menu	Press the [MENU] button for at least 1 second, and then press it again briefly.

#### 5 Determine the selected file or folder

Press the [Volume] knob for at least 3 seconds.

#### 6 Start deleting

Turn the [Volume] knob and press it when the desired item is displayed.

Select "OK".

"Completed" is displayed when deleting completes.

#### ↳ Canceling delete

1. Press the [Volume] knob.

2. Turn the [Volume] knob and press it when the desired item is displayed.

Select "YES".

#### 7 Exit Delete mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "EXIT".

Returns to step 4 if "NEXT" is selected.

# USB device/ Zune/ Internal Memory Operation

Function of USB or Internal memory source

## Picture File Viewing

You can select and view a picture file in the device.

### 1 Select USB or Internal memory source

### 2 Select a picture file

See [<File Search> \(page 17\)](#) and select a picture file to be displayed.

1. Press the [MENU] button.
2. Turn the [Volume] knob and press it when the desired item is displayed.  
Select "USB List" or "Internal Memory List"  
> folder > picture file.

### To select a file

Press the [ $\blacktriangleleft\blacksquare$ ] or [ $\triangleright\blacksquare$ ] button.

### Slide show

### 1 Enter Menu List mode

Press the [MENU] button.

☞ If the first hierarchy is displayed at this step, skip step 2 and proceed to step 3.

### 2 Press the [MENU] button for at least 1 second to move to the first hierarchy.

### 3 Select the slide show

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Slide" > "START" or "STOP".

### 4 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

### Cancelling the picture file

Press the [DISP] button.



- The playback of audio file continues even when a picture file is selected during playback Cancel your picture file viewing to operate audio files.
- If picture files are started to play while playing a video file, the video play stops.
- The Slide show is displayed only when you have applied the parking brake.

Function of USB or Internal memory source

## Wallpaper Downloading

You can use downloaded picture for the display of this unit.

### 1 Connect the USB device

Connect the USB device containing the files to be downloaded into this unit.

☞ A picture file can be downloaded from Internal memory.

### 2 Select files to be downloaded

See [<File Search> \(page 17\)](#) and select the picture file to be downloaded.

1. Press the [MENU] button.
2. Turn the [Volume] knob and press it when the desired item is displayed.  
Select "USB List" or "Internal Memory List"  
> folder > picture file.

### 3 Enter Menu List mode

Press the [MENU] button.

☞ If the first hierarchy is displayed at this step, skip step 4 and proceed to step 5.

### 4 Press the [MENU] button for at least 1 second to move to the first hierarchy.

### 5 Start downloading

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Save as Wallpaper".

When the downloading finishes, "Completed" is displayed.

### 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

### Setting the downloaded picture as wallpaper

Press [DISP] button to select Artwork small mode.

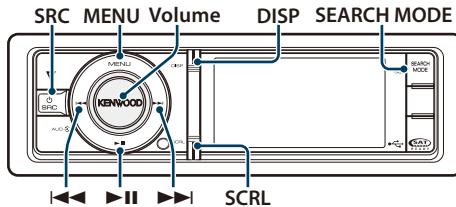
Set "Graphic Select" in [<Customization of Display> \(page 40\)](#).



- A wallpaper (picture file) cannot be downloaded during the slide show. Cancel the slide show, and then download a wallpaper.
- When a new wallpaper is downloaded, it will overwrite the currently downloaded wallpaper. There is no way to delete the downloaded pictures.



# Disc Changer Control (Optional)



## Basic Operation

### Select CD changer source

Press the [SRC] button repeatedly also switches source.

Select the "CD CH" display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### Moving to the next disc

Press the [SEARCH MODE] button.

### Song Select

Press the [ $\blacktriangleleft\blacksquare$ ] or [ $\triangleright\blacksquare$ ] button.

### Fast Forwards or Fast Backwards

Hold down the [ $\blacktriangleleft\blacksquare$ ] or [ $\triangleright\blacksquare$ ] button.

### Pause and Play

Press the [ $\triangleright\blacksquare$ ] button to pause or resume playback.

### Switching display

Press the [DISP] button to select display mode.  
Selects the Information or Clock.

Display example of information display mode



- ① Song information (see <Customization of Display> (page 40))
- ② Play time and track number
- ③ Play mode indicator (see <Display Indicator items> (page 76))

## Play Mode

You can select a Play Mode, such as Random play and Repeat play.

### 1 Select CD changer source

### 2 Enter Play Mode in the Menu List

KIV-BT901: Press the [Volume] knob for at least 1 second.

KIV-701:

1. Press the [MENU] button.
2. Turn the [Volume] knob and press it when the desired item is displayed.  
Select "Play Mode".

### 3 Select the setting item

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Overview
"Play Mode"	
"Track Scan"	When set to "ON", plays the intro of the music on the disc successively. On " <input checked="" type="checkbox"/> "/ Off " <input type="checkbox"/> "
"Disc Random"	When set to "ON", plays the music on the disc randomly. On " <input checked="" type="checkbox"/> "/ Off " <input type="checkbox"/> "
"Magazine Random"	When set to "ON", plays the music in the disc changer randomly. On " <input checked="" type="checkbox"/> "/ Off " <input type="checkbox"/> "
"Track Repeat"	When set to "ON", plays the music repeatedly. On " <input checked="" type="checkbox"/> "/ Off " <input type="checkbox"/> "
"Disc Repeat"	When set to "ON", plays the music on the disc repeatedly. On " <input checked="" type="checkbox"/> "/ Off " <input type="checkbox"/> "

(\_\_ : Factory setting)

### 4 Make a setting

Press the [Volume] knob.

### 5 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

## **Direct Music Search**

---

Searching the music by entering the track number.

### **1 Enter Direct Music Search mode**

Press the [DIRECT] button on the remote control.

### **2 Enter the music number**

Press the number buttons on the remote control.

### **3 Search the music**

Press the [ $\ll$ ] or [ $\gg$ ] button.

#### **Cancelling Direct Music Search**

Press the [DIRECT] button.



- Direct Music Search cannot be performed during playing of Random play or scan play.

## **Direct Disc Search**

---

Searching the disc by entering the disc number.

### **1 Enter Direct Disc Search mode**

Press the [DIRECT] button on the remote control.

### **2 Enter the disc number**

Press the number buttons on the remote control.

### **3 Search the disc**

Press the [FM+] or [AM-] button.

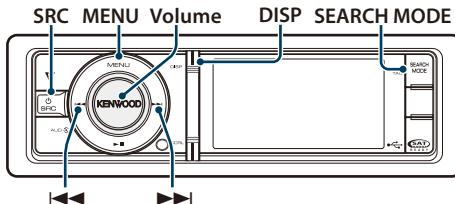
#### **Cancelling Direct Disc Search**

Press the [DIRECT] button.



- Direct Disc Search cannot be performed during Random play or scan play.
- Input "0" to select disc 10.

# Tuner Operation



## Basic Operation

### Selecting Tuner source

Press the [SRC] button repeatedly also switches source.

Select the "TUNER" display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### Selecting the Receiving Band

1. Enter Menu List mode

Press the [MENU] button.

2. Turn the [Volume] knob and press it when the desired item is displayed.

Select "FM" or "AM".

### Selecting the Receiving station

Press the [ $\blacktriangleleft\blacksquare$ ] or [ $\triangleright\blacksquare$ ] button.

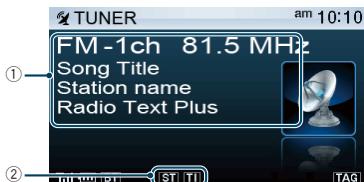
↳ Details of the station selecting in operation are set in the "Seek Mode" of <Tuner Setting> (page 26).

### Switching display

Press the [DISP] button to select display mode.

Selects the Information or Clock.

Display example of information display mode



① Station information (see <Customization of Display> (page 40))

② Status indicator (see <Display Indicator items> (page 76))

## Tuner Setting

You can select following Tuner Setting items.

### 1 Select Tuner source

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings".

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

#### Display

Display	Overview
"Settings"	
"Seek Mode"	Selects the tuning mode of the radio. "Auto1": Automatic search for a station. "Auto2": Search in order of the stations in the Preset memory. "Manual": Normal manual tuning control.
"Auto Memory"	Memorizes 18 (FM) or 6 (AM) stations with good reception automatically. "YES"/ "NO"
"TI"	Switches to the traffic information automatically when the traffic bulletin starts. "ON" / "OFF"
"TAG Memory"	Displays the tag memory usage of Radio Data System station receiver. Up to 50 tags can be registered to this unit. "##/50"
"Tagging"	Turns ON / OFF the tag memory function of Radio Data System station receiver. "ON" / "OFF"
"Forced MONO"	Reduces the noise when stereo broadcasts are received as monaural. "ON" / "OFF"

( \_\_\_ : Factory setting)

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

## Remarks

### • Forced MONO

Strong electrical fields (such as from power lines) may cause unstable sound quality when it is set to ON. In such a situation, turn it OFF.

### • "TI" (Traffic information)

Turns ON or OFF the Traffic Information function. When the function is set to ON, "TI" indicator is ON. If traffic bulletin starts when the function is ON,

"Traffic INFO" is displayed and traffic information is received.  
If the volume is adjusted during reception of traffic information, the adjusted volume is memorized automatically. The memorized volume will be applied next time the Traffic Information function is turned ON.

## Station Preset Memory

Putting a station in the memory.

**1 Select the radio band and tune in a desired radio station you wish to store in the preset memory**

**2 Enter Menu List mode**

Press the [MENU] button.

**3 Enter Preset Memory mode**

Turn the [Volume] knob and press it when the desired item is displayed.

Select "List & Memory".

**4 Select the number to put in the memory**

Turn the [Volume] knob and press it for at least 2 seconds when the desired item is displayed.

Select a preset number.

Display	Overview
"List & Memory"	
"-1"	Preset number 1. (FM/AM/Mixed)
"-2"	Preset number 2. (FM/AM/Mixed)
:	
"-6"	Preset number 6. (FM/AM/Mixed)
:	
"-18"	Preset number 18. (FM).



- You can register up to 18 FM stations and 6 AM stations. Selecting "Mixed" for "Tuner Preset Type" allows you to register up to 6 stations including FM, AM, and another Satellite Radio Tuner regardless of the selected source. See "Tuner Preset Type" of [\(Initial Settings\) \(page 43\)](#).

## Auto Memory Entry

Putting stations with good reception in the memory automatically.

**1 Select the radio band you wish to store in the preset memory**

**2 Enter Menu List mode**

Press the [MENU] button.

**3 Enter Auto Memory Entry mode**

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Auto Memory".

**4 Open Auto Memory Entry**

Turn the [Volume] knob and press it when the desired item is displayed.

Select "YES".

When 18 stations (FM) or 6 stations (AM) that can be received are put in the memory, auto memory entry closes.



- This setting can be made when "Type Normal" is selected for the "Tuner Preset Type" of [\(Initial Settings\) \(page 43\)](#).

## Preset Tuning

Recalling the stations in the memory.

**1 Select the radio band**

**2 Select a desired station in the memory**

Turn the [Volume] knob and press it when the desired item is displayed.

Select "List & Memory" > Preset number.

# Tuner Operation

## Function of remote control

### Direct Access Tuning

Tuning in a desired radio station by entering the frequency.

#### 1 Select the radio band

#### 2 Enter Direct Access Tuning mode

Press the [DIRECT] button on the remote control.

"— — —" is displayed.

#### 3 Enter the frequency

Press the number buttons on the remote control.

Example:

Desired frequency	Press button
92.1 MHz (FM)	[9], [2], [1]
810 kHz (AM)	[8], [1], [0]

#### 4 Tune in to the entered frequency

Press the [ $\blacktriangleleft\blacktriangleright$ ] or [ $\blacktriangleright\blacktriangleright$ ] button.

### Cancelling Direct Access Tuning

Press the [DIRECT] button on the remote control.

### iTunes Tagging

Using an iTunes Tagging enabled Radio Data System station receiver you can tag your music. When you hear a song you enjoy on your local Radio Data System station, you only have to press the [SEARCH MODE] button. The song's information will then be saved on this unit. The saved songs will then show up in a playlist called "Tagged" in iTunes the every next time you sync your iPod to your computer. So then you just need to click and then easily buy and download the song you were tagging directly from the Apple iTunes Music Store.

#### 1 Enter iTunes tagging mode

Press the [SEARCH MODE] button.

"TAG" will be displayed when song information can be registered.



- Turn "ON" the "Tagging" of <Tuner Setting> (page 26) when using this function.
- Up to 50 TAGs (song's information) can be registered to this unit. When iPod is connected, the TAG information registered to this unit is transferred to the connected iPod.
- The memory usage can be checked by selecting "TAG Memory" of <Tuner Setting> (page 26).

## PTY (Program Type)

Selecting the Program Type below and searching for a station.

Program Type	Display
Speech	"Speech"
Music	"Music"
News	"News"
Information	"Inform"
Sports	"Sports"
Talk	"Talk"
Rock	"Rock"
Classic Rock	"CIs Rock"
Adult Hits	"Adlt Hit"
Soft Rock	"Soft Rck"
Top 40	"Top 40"
Country	"Country"
Oldies	"Oldies"
Soft	"Soft"
Nostalgia	"Nostalgia"
Jazz	"Jazz"
Classical	"Classical"
R & B	"R & B"
Soft R & B	"Soft R&B"
Language	"Language"
Religious Music	"Rel Musc"
Religious Talk	"Rel Talk"
Personality	"Personality"
Public	"Public"
College	"College"
Weather	"Weather"

- Speech and Music include the Program type shown below.

Speech: Items in the white letters.

Music: Items in the black letters.

### 1 Enter Menu List mode

Press the [MENU] button.

### 2 Select the FM band

Turn the [Volume] knob and press it when the desired item is displayed.

Select "FM".

### 3 Enter Menu List mode

Press the [MENU] button.

### 4 Enter PTY mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "PTY Search".

### 5 Select the Program Type

Turn the [Volume] knob.

### 6 Search for the selected Program Type station

Press the [ $\blacktriangleleft\blacksquare$ ] or [ $\triangleright\blacksquare$ ] button.

### 7 Exit PTY mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



- This function cannot be used during a traffic bulletin or AM reception.
- When the selected Program Type is not found, "No PTY" is displayed. Select another Program Type.
- The operation ends automatically if you do not operate within 30 seconds.

## Program Type Preset

Putting the Program Type in the Preset button memory and quick recall.

### Presetting the Program Type

#### 1 Select the Program Type to preset

Refer to <PTY (Program Type)> (page 29).

#### 2 Enter Program Type Preset mode

Press the [SEARCH MODE] button.

#### 3 Select the number to put in the memory

Turn the [Volume] knob and press it for at least 2 seconds when the desired item is displayed.

Select the preset number.

### Recalling the preset Program Type

#### 1 Enter PTY mode

Refer to <PTY (Program Type)> (page 29).

#### 2 Enter Program Type Preset mode

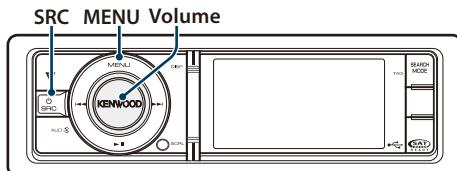
Press the [SEARCH MODE] button.

#### 3 Select a desired Program Type in the memory

Turn the [Volume] knob and press it when the desired item is displayed.

Select the preset number.

## Rear view camera (Optional)



## Getting Started

### 1 Select the Standby

Press the [SRC] button repeatedly also switches source.

Select the "STANDBY" display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Rear view camera setting mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Initial Settings" > "R-CAM Interruption".

### 4 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

Display	Overview
"Initial Settings"	
"R-CAM Interruption"	Sets a method to switch to the rear view camera video display. "ON": Switches to the rear view camera video display when engaging the shift knob of car to "Reverse". "OFF": Rear view camera is not used.
"R-CAM Mirror"	You can flip the left and right of the rear view camera video display. Set to "ON" and the rear view will be displayed left and right in mirror image on the screen. "ON" / "OFF"

( \_\_\_\_ : Factory setting)

### 5 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



- To use the rear view camera feature, connection of a reverse sensor wire is required. Refer to <Connecting Wires to Terminals> (page 80).

## Rear view camera

Put the gearshift lever into reverse.  
The rear view camera image is displayed.

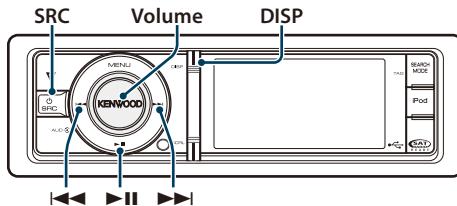
### Clearing the Rear View Camera Image

Press a button other than [Volume].



- During hands-free conversation, the rear view camera image is not displayed.
- To display the rear view camera image after it is canceled, put the gearshift lever into reverse again.

## Bluetooth Audio Operation



### Connecting a Bluetooth Device

Before using the Bluetooth device, you need to connect Bluetooth device to this unit.

#### **Pairing (Registering from Bluetooth devices)**

To make your Bluetooth Audio player usable with this unit, you need to register it (pairing).

#### **1 Turn on this unit**

Press the [SRC] button.

#### **2 Start registering this unit by operating the Bluetooth device**

By operating the Bluetooth device, register the audio player (pairing). Select "KCA-BT300" / "KCA-BT200" from the list of connected units.

#### **3 Enter a PIN code**

**Input the PIN code ("0000") in the Bluetooth device.**

Check that registration is complete on the Bluetooth device.

PIN code is set to "0000" as the default. You can change this code. Refer to <Registering PIN Code> (page 57).

#### **4 By operating the Bluetooth device, start Bluetooth connection.**



- If pairing does not succeed, try followings.
  - PIN code is set to "0000". See <Registering PIN Code> (page 57).
  - Turn off the power of this unit and turn it back on. And then try the pairing operation again.
  - If other audio players have been registered, delete them. And then try the pairing operation again. See <Deleting a Registered Bluetooth Device> (page 58).
  - When registering from this unit, refer to <Registering Bluetooth Device (Pairing)> (page 56).
  - For details on the Bluetooth Audio player which can be connected, see <About the Bluetooth Audio player> in the instruction manual of the Bluetooth Unit.

## Basic Operation

### **Selecting Bluetooth Audio source**

Press the [SRC] button repeatedly also switches source.

Select the "BT AUD EXT" display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### **Pause and play**

Press the [▶ II] button.

### **Music Search**

Press the [◀◀] or [▶▶] button.

### **Switching display**

Press the [DISP] button to select display mode.

Selects the Information or Clock.

Display example of information display mode



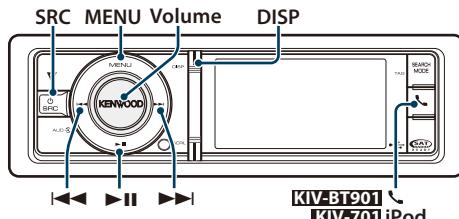
① Song information\*

(Only with KCA-BT300 (optional accessory) connected)



- \*<sup>1</sup> If the Bluetooth Audio player supports AVRCP1.3 profile, these items can be displayed.
- All or some of the operations above cannot be performed if the Bluetooth audio player is not ready for remote control.
- Switching between Bluetooth audio sources does not start or stop playback automatically. Perform the operation for starting or stopping playback.
- Some audio players cannot be controlled remotely or reconnected after Bluetooth disconnection. Operate the main unit of the audio player to connect Bluetooth.

## Operation of Hands-Free Phoning



### Getting Started

Before use the cell-phone, you need to connect cell-phone to this unit.



- For details on the Bluetooth cell-phone with the hands-free function, see [<About the Cell-Phone>](#) (page 72).

#### KIV-BT901

##### 1 Enter easy pairing mode

Press the [BT] button for at least 1 second.

##### 2 "Searching" is displayed.

Search for the Bluetooth device.

When search is completed, "Finished" is displayed.

##### 3 Select a cell-phone name

Turn the [Volume] knob and press it when the desired item is displayed.

##### 4 Input the PIN code

1. Turn the [Volume] knob and press it when the desired item is displayed.

Select the digit.

2. Turn the [Volume] knob to select the numbers, and then press the [Volume] knob.

##### 5 Transmit the PIN code

Press the [Volume] knob for at least 1 second.

If "Pairing Success" is displayed, registration is completed.

When "Confirm Phone" is displayed, confirm connection with a cell-phone operation.

##### 6 The receiver is connected to a cell-phone, with "HF Connect" displayed, and exits the easy pairing mode.



- For more details, see [<Easy pairing function>](#) (page 54).

#### KIV-701

The following 3 steps procedure is necessary.

##### Step 1. Pairing (Registering from Bluetooth devices)

To make your Bluetooth device (cell-phone) usable with this unit, you need to register it (pairing).

##### 1 Turn on this unit

Press the [SRC] button.

##### 2 Start registering this unit by operating the Bluetooth device

By operating the Bluetooth device, register the hands-free unit (pairing). Select "KCA-BT300" / "KCA-BT200" from the list of connected units.

##### 3 Enter a PIN code

Input the PIN code ("0000") in the Bluetooth device.

Check that registration is complete on the Bluetooth device.

☞ PIN code is set to "0000" as the default. You can change this code. Refer to [<Registering PIN Code>](#) (page 57).

##### 4 By operating the Bluetooth device, start hands-free connection.

##### Step 2. Connection

If you have registered 2 or more cell-phones, you need to select one of them. For more details, see [<Selecting the Bluetooth Device You Wish to Connect>](#) (page 57).

When a cell-phone is connected, the "BT" indicator is light up.

##### Step 3. Hands-free phoning

You can do hand-free phoning when the connection is made.



- When registering from this unit, refer to [<Registering Bluetooth Device \(Pairing\)>](#) (page 56).

## Receiving a Call

---

### **Answering a Phone Call**

Press the [Volume] knob.



- The following operations disconnect the line:
  - Connect a USB device.
  - The name of the calling party is displayed if it has already been registered in the Phone Book.

### **Rejecting an Incoming Call**

KIV-BT901: Press the [SRC] or [] button.

KIV-701: Press the [SRC] or [iPod] button.

## During a Call

---

### **Disconnecting a Call**

KIV-BT901: Press the [SRC] or [] button.

KIV-701: Press the [SRC] or [iPod] button.

### **Switching to the Private Mode**

Press the [] button.

Switches between Private talk ("PRIVATE") and Hands-free talk each time this button is pressed.



- Depending on the type of your cell-phone, switching to the private talk mode may select the source that was used before commencing the hands-free connection. If this happens, the source cannot be switched back to the hands-free talk mode by operating this unit. Operate your cell-phone to return to the hands-free talk mode.

### **Adjusting the Voice Volume during a Call**

Turn the [Volume] knob.

## Call Waiting

---

### **Answering Another Incoming Call with the Current Call Suspended**

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Answer".

### **Answering another Incoming Call after Terminating the Current Call**

KIV-BT901: Press the [SRC] or [] button.

KIV-701: Press the [SRC] or [iPod] button.

### **Continuing the Current Call**

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Reject".

### **Answering the Waiting Call after Terminating the Current Call**

KIV-BT901: Press the [SRC] or [] button.

KIV-701: Press the [SRC] or [iPod] button.

### **Switching between the Current Call and Waiting Call**

Press the [Volume] knob.

Each pressing of this knob switches the calling party.

## Clearing the Disconnection Message

---

KIV-BT901: Press the [] button.

KIV-701: Press the [iPod] button for at least 1 second.

"HF Disconnect" disappears.

## Operation of Hands-Free Phoning

### Making a Call

#### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

#### 2 Select a dialing method

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Overview
"P Preset Call"	Calling a number in the preset.
"Phonebook"	Selecting the character to be searched for the phone book.
"Outgoing Calls"	Calling a number in the outgoing call list.
"Incoming Calls"	Calling a number in the incoming call list.
"Missed Calls"	Calling a number in the missed calls list.
"Number Dial"	Making a call by entering phone number.
"Voice Recognize"	Make a Voice Dialing Call.

Operation method of each mode is described below.

#### 3 Exit Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

### Speed Dialing (Preset Dial)

#### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

#### 2 Select the preset dial mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Preset Call".

#### 3 Select the number you want to recall from the memory

Turn the [Volume] knob and press it when the desired item is displayed.

Select the preset number.

Phone number is displayed.

#### 4 Make a call

Press the [Volume] knob.



- You need to register the preset dial number. Refer to <Registering to the Preset Dial Number List> (page 36).

### Calling a Number in the Phone Book

#### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

#### 2 Select the Phone Book mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Phonebook".

#### 3 Select the character to be searched for

Operation type	Operation
Move to the next character.	Turn the [Volume] knob.
Determine the selected character.	Press the [Volume] knob.

#### 4 Select the name or phone number

Turn the [Volume] knob.

##### Switching between Display Modes

Press the [DISP] button.

Pressing this button each time switches between name and telephone number.

#### 5 Make a call

Press the [Volume] knob.



- During search, a non-accent character such as "u" is searched for instead of an accent character such as "ü".

### Calling a Number in the Call log

#### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

#### 2 Select the call log mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Outgoing Calls" (outgoing call), "Incoming Calls" (incoming call), or "Missed Calls" (missed call).

#### 3 Select a name or phone number

Turn the [Volume] knob.

##### Switching between Display Modes

Press the [DISP] button.

Pressing this button each time switches between name and telephone number.

#### 4 Make a call

Press the [Volume] knob.



- The outgoing call list and the incoming call list, and the missed call list are the lists of calls originated from and received at this unit. They are not the ones stored in the cell-phone memory.

## Dial a Number

### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

### 2 Select the number dial mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Number Dial".

### 3 Enter a phone number

Operation type	Operation
Select the numbers.	Turn the [Volume] knob.
Move to the next digit.	Press the [▶▶] button.
Delete the last digit.	Press the [◀◀] button.

- Press the number ([1] – [0]), #([FM]), \*([AM]), or +([▶▶]) button on the remote controller.

To erase the entered phone number digit by digit:

Press the [◀◀] button on the remote controller.

### 4 Make a call

- Press the [Volume] knob.
- Press the [DIRECT] button on the remote controller.



- You can input max 25 (KIV-BT901) / 32 (KIV-701) digits.

## Make a Voice Dialing Call

### 1 Enter voice recognition mode

KIV-BT901:

1. Press the [BT] button.

2. Turn the [Volume] knob and press it when the desired item is displayed.

Select "Voice Recognize".

KIV-701: Press the [VOL] button for at least 1 second.

### 2 "Phonebook Name?" is displayed.

When a beep is heard, say the name within 2 seconds.

### 3 "Phonebook Type?" is displayed.

When a beep is heard, say the category name within 2 seconds.

### 4 Make a call

Press the [Volume] knob.

This step is the same as step 4 of the procedure in [Calling a Number in the Phone Book](#) (page 34). You can make a call or select a category.



- If your voice cannot be recognized, a message is displayed. Pressing the [Volume] knob allows you to retry voice input. Refer to [Troubleshooting Guide](#) (page 84).
- Both the name and category require registration of a voice tag. Refer to [Setting a Voice Command for Category](#) (page 60).

Audio sound is not output during voice recognition.

## Operation of Hands-Free Phoning

### Registering to the Preset Dial Number List

#### 1 Select the phone number you wish to register

Select the phone number with reference to the following:

- Calling a Number in the Phone Book (page 34)
- Calling a Number in the Call log (page 34)
- Dial a Number (page 35)

#### 2 Enter Preset Memory mode

Press the [Volume] knob for at least 2 seconds.

#### 3 Select the preset number to put in the memory

Turn the [Volume] knob.

Select the preset number.

#### 4 Determine the preset number to put in the memory

Press the [Volume] knob for at least 2 seconds.

#### Exit the Preset Memory mode

Press the [MENU] button.

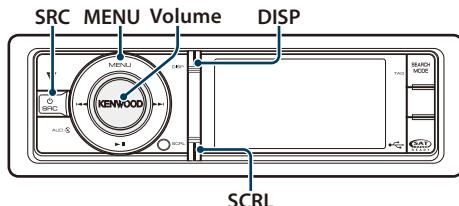
### Display of Phone Number Type (category)

The category items in the Phone Book are displayed as follows:

Display	Information
"General" / "  "	General
"Home" / "  "	Home
"Office" / "  "	Office
"Mobile" / "  "	Mobile
"Other" / "  "	Other



# Display Settings



## Basic Operation

### Switching display

Press the [DISP] button.

Mode	Display Type
Artwork small	Displays song information. (Only for iPod/ USB/ Zune/ Pandora/ Internal Memory source)
Artwork large	Displays artwork and song information, etc., separately. (Only for iPod/ USB/ Zune/ Pandora/ Internal Memory source)
Video*1	Displays video of a video file. (Video file only)
Information	Displays station information, etc. (Except for iPod/ USB/ Zune/ Pandora/ Internal Memory source)
Clock	Displays the clock.

\*1 The Video mode is displayed only when you have applied the parking brake.

### Text scroll

Press the [SCRL] button.

The displayed text scrolls.

## Display Setting

You can select following Display Setting items.

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Display Setting mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Display & Illumination".

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Overview
"Settings"	Making Display and Illumination settings.
"Display & Illumination"	Selecting and customizing the Display type.
"Display Select"	If this unit is not operated at least 5 seconds with "OFF" selected, the display turns off. During a setup mode, the display will not turn off even if 5 seconds lapse. "ON"/"OFF"
"Display Dimmer"	Reduces the display illumination brightness. "Auto": Dims the illumination in conjunction with the Light switch of the vehicle. "OFF": Does not dim the illumination.
"Text Scroll"	"Auto": Scroll the display information automatically. "Once": Scroll the display information only once. "OFF": Allows you to scroll the screen manually.
"Key Color Select"	Selecting the illumination color of the panel. Refer to < <a href="#">Illumination Color Selection</a> > (page 39).
"Key ILLUMI Dimmer"	Reduces the key illumination brightness. "Auto": Dims the illumination in conjunction with the Light switch of the vehicle. "Manual1": Dims the illumination constantly. "Manual2": Dims the illumination darker than Manual 1. "OFF": Does not dim the illumination.
"ILLUMI Effect"	Sets whether the key illumination brightness is changed in conjunction with the key operation. "ON"/"OFF"
"ILLUMI Music SYNC"	Sets whether the key illumination brightness is changed in conjunction with the sound volume. "ON"/"OFF"
"Aspect Set"*	Sets the aspect ratio of video files. "Full": Displays in Wide screen by 16:9 aspect ratio. "Normal": Displays in Standard screen by 4:3 aspect ratio.
"Monitor Setup"	
"Brightness"	Adjusting the display brightness. "-3" ~ "0" ~ "+3" ( <u>  </u> : Factory setting)
"Contrast"	Adjusting the display contrast. "-3" ~ "0" ~ "+3"

\*1 Only for iPod/ USB/ Internal Memory source.

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

## Illumination Color Selection

Selecting the Illumination Color of the panel.

### 1 Enter Menu List mode

Press the [MENU] button.

### 2 Enter Illumination color selection mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Display & Illumination" > "Key Color Select".

### 3 Select the Illumination Color

Turn the [Volume] knob and then press the [Volume] knob when the desired item is displayed.

Select the color from "Variable Scan"/"Color1"—"Color 24"/"User".

#### Creating "User" color

You can create your original color during the selection from "Color1"—"Color24".

The color you created can be called when you select "User".

#### 1. Press the [Volume] knob for at least 1 second.

Enter the detail color adjustment mode.

#### 2. Turn the [Volume] knob and press it when the desired item is displayed.

Select the color to adjust. (red, green, or blue).

#### 3. Turn the [Volume] knob to adjust color (Range: 0 – 9), and then press the [Volume] knob.

#### 4. Press the [Volume] knob for at least 1 second.

Exit the detail color adjustment mode.

### 4 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



- This setting can be made when "OFF" is selected for the "ILLUMI Music SYNC" of <Display Setting> (page 38).

## Customization of Clock Display

You can customize the display of the Clock Display mode.

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Display Setting mode and Select the Clock Display

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Display & Illumination" > "Display Select" > "Type Select" > Clock Display.

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Setting
"Display Select"	
"Type Select"	Selects the Clock Display mode.
"Text Select"	Sets the text display.
"Graphic Select"	Switches between single and dual clock and between analog and digital display.

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

# Display Settings

## Customization of Display

You can customize the display of the Artwork small, Artwork large, or Information mode.

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Display Setting mode and Select the Information Display

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Display & Illumination" > "Display Select" > "Type Select" > Artwork small, Artwork large, or Information.

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Setting
"Display Select"	
"Type Select"	Selects from Artwork small, Artwork large, or Information mode.
"Side Select" <sup>*1</sup>	Sets the icon display. Appear/Disappear
"Text Select"	Sets the text display.
"Graphic Select" <sup>*1</sup>	Changes the wallpaper. Original/ User Wallpaper <sup>*2</sup>

\*1 Only for Artwork small or Information mode.

\*2 See <[Wallpaper Downloading](#)> (page 22).

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

When selecting "Text Select":

1. Turn the [Volume] knob to select the text display part, and then press the [Volume] knob.
2. Turn the [Volume] knob to select the text, and then press the [Volume] knob.

### 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

## Text Display Selection

### In FM Tuner source

Frequency & Program Service name ("Frequency/PS")	Radio text plus <sup>*1</sup> ("Radio Text Plus")
Song title <sup>*1</sup> ("Song Title")	Radio text ("Radio Text")
Artist name <sup>*1</sup> ("Artist Name")	Date ("Date")
Station name <sup>*1</sup> ("Station Name")	Spectrum analyzer ("Speana")
	Blank ("Blank")

\*1 Information of Radio text plus is displayed.

### In AM Tuner source

Frequency ("Frequency")	Spectrum analyzer ("Speana")
Date ("Date")	Blank ("Blank")

### In USB/ iPod/ Internal Memory source

Song title ("Song Title")	My rate ("My Rate") : iPod only
Artist name ("Artist Name")	Date ("Date")
Album name ("Album Name")	Spectrum analyzer ("Speana")
Folder name ("Folder Name")	Blank ("Blank")
File name ("File Name")	

### In Auxiliary input source

Source name ("Source Name")	Spectrum analyzer ("Speana")
Date ("Date")	Blank ("Blank")

### In Standby

Source name ("Source Name")	Blank ("Blank")
Date ("Date")	

### In Pandora source

Song title ("Song Title")	Spectrum analyzer ("Speana")
Artist name ("Artist Name")	Thumbs Up Down ("Thumbs Up&Down")
Album name ("Album Name")	Blank ("Blank")
Date ("Date")	

### In Bluetooth audio source (Optional : KIV-701 only)

Bluetooth audio ("Source Name")	Date ("Date")
Song title <sup>*1</sup> ("Song Title")	Spectrum analyzer ("Speana")
Artist name <sup>*1</sup> ("Artist Name")	Blank ("Blank")
Album name <sup>*1</sup> ("Album Name")	

\*1 Only with KCA-BT300 (optional accessory) connected

### In Disc changer source (Optional)

Source name ("Source Name")	Date ("Date")
Disc title ("Disc Title")	Spectrum analyzer ("Speana")
Track title ("Track Title")	Blank ("Blank")

### In HD Radio source (Optional)

Frequency ("Frequency")	Artist name <sup>*1</sup> ("Artist Name")
Station name ("Station Name")	Date ("Date")
Song title ("Song Title")/ "Title"	Spectrum analyzer ("Speana")
Album name <sup>*1</sup> ("Album Name")	Blank ("Blank")

\*1 Only with KTC-HR300 (optional accessory) connected

### In SIRIUS source (Optional)

Channel Name ("Channel Name")	Band & Channel Number ("Channel Number")
Song Title ("Song Title")	Date ("Date")
Artist name ("Artist Name")	Spectrum analyzer ("Speana")
Composer name ("Composer Name")	Blank ("Blank")
Category Name ("Category Name")	

### In XM source (Optional)

Channel Name ("CHANNEL NAME")	Band & Channel Number ("CHANNEL NUMBER")
Song title ("SONG TITLE")	Date ("Date")
Artist name ("ARTIST NAME")	Spectrum analyzer ("Speana")
Category Name ("CATEGORY")	Blank ("Blank")



- If the selected display item does not have any information, alternative information is displayed.
- Some items cannot be selected depending on the display type and row.
- When selecting "Folder Name" while playing with iPod, names will be displayed depending on currently selected browsing items.
- If the iPod Control by Hand Mode is set to on while playing the iPod, "iPod By Hand Mode" is displayed.
- If all characters cannot be displayed while playing with iPod, the file number in the list is displayed.

Information	Display
Music title	"TITLE***"
Folder name	"FLD***"
File name	"FILE***"

## Auxiliary Input Display Setting

Selecting the display when changing to Auxiliary input source.

### 1 Select the AUX source

Press the [SRC] button repeatedly also switches source.

Select the "AUX" display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Auxiliary input display setting mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Name Set".

### 4 Select the Auxiliary input display

Turn the [Volume] knob.

Select "AUX", "DVD", "PORTABLE", "GAME", "VIDEO", or "TV".

### 5 Exit Menu List mode

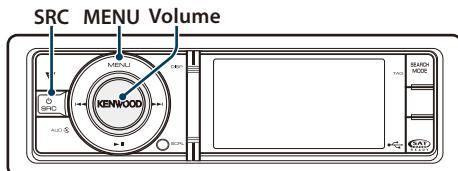
Press the [MENU] button for at least 1 second, and then press it again briefly.



The Auxiliary input display can be set only when the built-in auxiliary input or the auxiliary input of optional KCA-S220A is used. On the KCA-S220A, "AUX EXT" is displayed by default.

AUX source is initially set to "OFF". Before display setting, set "Built in AUX" described in <Initial Settings> (page 43) to "ON".

# Clock and Other Functions



## Clock and Date Adjustment

You can adjust the clock and date.

Display	Overview
"Settings"	
"Clock & Date"	
"Clock Adjust"	Sets the clock and Time zone.
"Time Synchronized"	Synchronizing the Radio Data System station time data and this unit's clock. "ON" / "OFF"
"Summer Time"	Advances the clock one hour when set to ON. "ON" / "OFF"
"Sub Clock Adjust"	Adjusts the time difference caused by summer time. "-1h" / "0h" / "+1h"
"Date Adjust"	Sets the date.
"Date Mode"	Sets the date display mode. 7 types

( \_\_\_\_ : Factory setting)

### 1 Enter Menu List mode

Press the [MENU] button.

### 2 Select Radio Data System's automatic time adjustment

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings" > "Clock & Date" > "Time Synchronized" > "ON" or "OFF".

### 3 Enter Clock adjustment mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Clock Adjust".

### 4 Adjusting Clock and Time zone

1. Turn the [Volume] knob and press it when the desired item is displayed.

Select hours, minutes or time zone (home or sub).

2. Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

3. Press the [MENU] button.

### 5 Select Summer Time

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Summer Time" > "ON" or "OFF".

### 6 Enter Date adjustment mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Date Adjust".

### 7 Adjusting Date

1. Turn the [Volume] knob and press it when the desired item is displayed.

Select month, day or year.

2. Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

3. Press the [MENU] button.

### 8 Enter Date format mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Date Mode".

### 9 Select Date format

Turn the [Volume] knob and press it when the desired item is displayed.

Select from 7 types.

### 10 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

#### Remarks

##### • Time zone

Set a time zone for your area as "Home". When you set a time zone for different area to the "Sub" clocks for two time zones can be displayed on the clock display. See <Customization of Clock Display> (page 39).

For time zone list, see <Time zone list> (page 76).

## Initial Settings

You can select following Initial Setting items.

### 1 Select the Standby

Press the [SRC] button repeatedly also switches source.

Select the  STANDBY display.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Initial Setting mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Initial Settings".

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

"Built in AMP"	Selecting "OFF" turns off the built-in amplifier. Turning off the built-in amplifier improves the quality of the sound from Preout. "ON"/"OFF"
"AV Out Set"	Changes the iPod setting from AV Output to output-only terminal. "ON"/"OFF"
"R-CAM Interruption"	Sets a method to switch to the rear view camera video display. "ON": Switches to the rear view camera video display when engaging the shift knob of car to "Reverse". "OFF": Rear view camera is not used.
"R-CAM Mirror"	You can flip the left and right of the rear view camera video display. Set to "ON" and the rear view will be displayed left and right in mirror image on the screen. "ON"/"OFF"
"System F/W Update"	Updates the firmware. The update information will be posted on the following URL as necessary. <a href="http://www.kenwood.com/cs/ce/">www.kenwood.com/cs/ce/</a>

( \_\_ : Factory setting)

\*<sup>1</sup> Not selectable when KTC-HR200 (optional accessory) is connected.

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

#### Remarks

- **AV Out Set**

Outputs video and audio from the iPod source. Those from the USB device cannot be output.

When the iPod source is switched to the Pandora source or Internal Memory source, the output from the AV Output terminal stops.

Display	Overview
"Initial Settings"	
"Tuner Preset Type" <sup>1</sup>	You can select a preset type. "Type Normal": Memorizes one station for each preset button in each band (FM/ AM/ SR1 – SR4/ XM1 – XM4). "Type Mixed": Memorizes one station for each preset button regardless of the selected band (FM/ AM) and another Satellite Radio Tuner.
"Source Select"	Sets the source selection method. "1"/"2"
"Beep"	Setting the operation check sound (beep sound) ON/OFF. "ON"/"OFF"
"Menu Language Select"	You can select the display language for the Menu list item. "English"/"Français"/"Español"
"Pandora Source"	When this is set to ON, Pandora source can be selected. "ON": Allows you to select the Pandora source by connecting a Pandora-compliant iPhone. "OFF": Disable Pandora source selection.
"Built in AUX"	When this is set to ON, AUX source can be selected. "ON": Allows AUX source to be selected. Use this setting when the built-in AUX terminal is connected to the external equipment all the time. "OFF": Disable AUX source selection. Use this setting when the built-in AUX terminal is not used.

# Clock and Other Functions

## Demonstration Mode Setting

Turning the demonstration mode ON/OFF.

### 1 Enter Menu List mode

Press the [MENU] button.

### 2 Enter Demonstration mode setting

Turn the [Volume] knob and press it when the desired item is displayed.

Select "DEMO Mode".

### 3 Set the Demonstration mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "ON" or "OFF".

### 4 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

*Function of KIV-701*

## Muting Volume upon Reception of Phone Call

The audio system automatically mutes when a call comes in.

### *When a call comes in*

"CALL" is displayed.

The audio system pauses.

### *Listening to the audio during a call*

Press the [SRC] button.

The "CALL" display disappears and the audio system comes back ON.

### *When the call ends*

Hang up the phone.

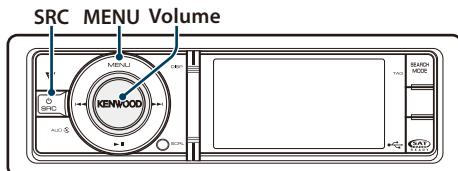
The "CALL" display disappears and the audio system comes back ON.



- To use the TEL Mute feature, you need to hook up the MUTE wire to your telephone using a commercial telephone accessory. Refer to <Connecting Wires to Terminals> (page 80).



# Audio Adjustments



"2Zone Select"	Sets the Dual Zone System.
"2Zone Front/Rear"	- <a href="#">Dual Zone System (page 49)</a> .
"Preset"	Sets the audio preset. - <a href="#">Audio Preset Recall (page 53)</a> . - <a href="#">Audio Preset Memory (page 52)</a> .

(    : Factory setting)

## Audio Control

You can adjust following Audio Setting items.

Display	Overview
"SubWoofer Level"	You can set subwoofer level. "-15" — " <u>0</u> " — "+15"
"DSP Set"	"Bypass": Disables the DSP function. "Through": Enables the DSP function.
"Equalizer"	Sets the sound quality. - <a href="#">Preset Equalizer Curve Select (page 47)</a> . - <a href="#">Manual Equalizer Control (page 47)</a> .
"Bass Boost"	Sets the Bass Boost level in two steps. "OFF" / "STEP1" / "2"
"HIGHWAY-SOUND"	Compensates the low volume or bass sound being lost by road noises to make vocal sound clearer. "OFF" / "STEP1" / "2" / "3"
"Supreme+"	Turns ON/OFF the Supreme plus function. Can be set while USB, iPod, Pandora and Internal Memory source. "ON" / "OFF"
"Position"	Compensates the sound environment in accordance with the listening position. - <a href="#">Listening Position Selection (page 48)</a> . - <a href="#">Listening Position Fine Adjustments (page 48)</a> .
"Balance"	Adjusts left/right speaker balance. (Left) "L15" — " <u>0</u> " — "R15" (Right)
"Fader"	Adjusts front/rear speaker balance. (Front) "F15" — " <u>0</u> " — "R15" (Rear)
"2Zone Rear Volume"	Refer to <a href="#">&lt;Dual Zone System&gt; (page 49)</a> .
"SubWoofer"	Turns on/off the subwoofer output. "ON" / "OFF"
"Detailed Setup"	
"Car Type"	To get clear sound, set the sound environment according to the location and size of physically installed speakers with reference to the followings:
"Speaker Setting"	- <a href="#">Car Type Selection (page 50)</a> . - <a href="#">Speaker Setting (page 50)</a> . - <a href="#">Car Type Fine Adjustments (page 51)</a> . - <a href="#">X'Over Setting (page 52)</a> .
"X'Over"	
"Volume Offset"	Sets each source's volume as a difference from the basic volume. "-8" — " <u>0</u> " (AUX: "-8" — "+8")

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than " STANDBY".

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

### 4 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 5 Exit Audio Control mode

Press the [MENU] button for at least 1 second.

#### Remarks

##### • "DSP Set"

When "DSP Set" is set to "Bypass", the DSP function is disabled, and the colored items cannot be set.

##### • "HIGHWAY-SOUND"

Increases the volume of faintest sound being lost by road noises to make the sound more audible. Additionally, it accentuates bass sound being lost by road noises to make the bass sound more dynamic.

• HIGHWAY-SOUND is not available in tuner source and HD Radio source.

##### • "Supreme+" (Supreme Plus)

Technology to extrapolate and supplement with proprietary algorithm, the high-frequency range that is cut off when encoding. The bass and vocal sound that are cut off by encoding are supplemented for the reproduction of natural sound quality. Supplementing is optimized by compression format and processed according to bit rate. The effect is negligible with music that is encoded at high bit rate, variable bit rate or has minimal high frequency range.

##### • "2Zone Select" (Dual Zone System)

Main source and sub source output Front channel and Rear channel separately.

## Preset Equalizer Curve Select

You can select following Equalizer curve.

Display	Equalizer curve
"Natural"	Natural
"User"	User*
"Rock"	Rock
"Pops"	Pops
"Easy"	Easy
"Top40"	Top 40
"Jazz"	Jazz
"Game"	Game
"iPod"	iPod (During iPod source only)

\* The Equalizer curve set in the section <Manual Equalizer Control> is recalled.

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than "STANDBY".

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Enter Preset Equalizer mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Equalizer" > "Preset Equalizer".

### 4 Select the Equalizer curve

Turn the [Volume] knob and press it when the desired item is displayed.

#### ↳ Select the iPod Equalizer curve

You can select from 22 Equalizer curve types for iPod when "iPod" is selected.

##### 1. Enter iPod Equalizer mode

Press the [Volume] knob.

##### 2. Select the iPod Equalizer curve

Turn the [Volume] knob and press it when the desired item is displayed.

### 5 Exit Audio Control mode

Press the [MENU] button for at least 1 second.



• You can select for each source.

## Manual Equalizer Control

You can adjust following Equalizer Control items.

Band	Item	Range
"BAND1"(62.5 Hz)	"GAIN" Band level	-9 → +9 dB
	"EFCT" Bass Effect	"OFF"/"ON"
"BAND2"(250 Hz)	"GAIN" Band level	-9 → +9 dB
"BAND3"(1 kHz)	"GAIN" Band level	-9 → +9 dB
"BAND4"(4 kHz)	"GAIN" Band level	-9 → +9 dB
"BAND5"(16 kHz)	"GAIN" Band level	-9 → +9 dB

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than "STANDBY".

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Enter Manual Equalizer Control mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Equalizer" > "Manual Equalizer".

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Audio Control mode

Press the [MENU] button for at least 1 second.



• When "iPod" is selected in the section <Preset Equalizer Curve Select> (page 47), Manual Equalizer Control is disabled.

• You can select for each source.

# Audio Adjustments

## Listening Position Selection

The sound environment can be compensated in accordance with the selected position. According to the listening position, select the position from the following settings.

Compensation seat	Display
Not compensating.	"ALL"
Front-Left seat	"FL"
Front-Right seat	"FR"
Front seat	"F ALL"

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than “ STANDBY”.

☞ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Enter Preset position setting mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Position” > “Preset Position”.

### 4 Select the seat you want to compensate

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 5 Exit Audio Control mode

Press the [MENU] button for at least 1 second.

## Listening Position Fine Adjustments

Making fine adjustment of the value specified at Preset position selection per speaker.

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than “ STANDBY”.

☞ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Enter Manual position setting mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Position” > “DTA”.

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

Item	Setting overview
“Front” / “L”	Front Left speaker
“Front” / “R”	Front Right speaker
“Rear” / “L”	Rear Left speaker
“Rear” / “R”	Rear Right speaker
“SW” / “L”	Subwoofer Left
“SW” / “R”	Subwoofer Right
“INITIAL”	Initialize the setting values.

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

Adjust between 0 and 5.58 feet.

Press the [Volume] knob for at least 1 second if you want to execute the “INITIAL”.

### 6 Exit Audio Control mode

Press the [MENU] button for at least 1 second.

## Dual Zone System

The separate sources can be selected for Front channel and Rear channel.

Display	Overview
"2Zone Rear Volume" <sup>*1</sup>	Adjust the volume of Rear channel. "0" — "35"
"Detailed Setup"	
"2Zone Select"	The Dual Zone System is enabled by selecting a sub source. "OFF" / "USB" ("iPod" / "Zune") / "INT MEM" / "AUX"
"2Zone Front/Rear" <sup>*1</sup>	Specifies the destination of sub source sound when the Dual Zone function is turned on. "Rear" / "Front"

( \_\_\_\_ : Factory setting)

<sup>\*1</sup> The Dual Zone System is enabled.

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than "STANDBY".

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Turn the [Volume] knob and press it when the desired item is displayed.

Select "Detailed Setup".

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Audio Control mode

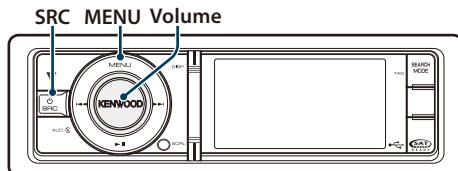
Press the [MENU] button for at least 1 second.



- Select Main source by [SRC] button.
- Adjust the volume of Front channel by [Volume] knob.
- The Audio Control has no effect on sub source.
- "USB", "iPod", "Zune" and "Int.Mem." (Internal memory) cannot be set at the same time for the main and sub sources.
- There are following limitations when Dual Zone System is enabled.
  - There is no output from the subwoofer.
  - "Fader", "SubWoofer Level" of <Audio Control> (page 46) and DSP function are not available.

- The Bluetooth audio source can be set exclusively to the front speaker. Set "2Zone Front/Rear" to "Rear".
- The source set as a sub source cannot be operated during the dual zone mode. Cancel the mode and then operate the source.

# DSP Setup



## Car Type Selection

You can compensate the delay of the sound arrival time by selecting your environment from the following car types.

Display	Overview
"Off"	Not compensating.
"Compact"	Compact car
"FullSize Car"	Full size car
"Wagon"	Station wagon
"Minivan"	Minivan
"SUV"	Sport-utility vehicle
"Minivan (Long)"	Long Minivan

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than “ STANDBY”.

SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Enter Car Type select mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Detailed Setup” > “Car Type”.

### 4 Select the car type

Turn the [Volume] knob and press it when the desired item is displayed.

### 5 Exit Audio Control mode

Press the [MENU] button for at least 1 second.



• You can compensate the distances in more details by using <Car Type Fine Adjustments> (page 51) function.

## Speaker Setting

The speaker X’Over is automatically set when the position and size of each speaker are selected from the following items.

Speaker	Item	Range
"FRONT"	"Location"	Speaker Location Front "Door", "On Dash", "Under Dash"
	"Size"	Speaker Size Front "O.E.M.", "4inch", "5inch", "6 1/2inch", "6 3/4inch", "7inch", "4x6", "5x7", "6x8", "6x9", "7x10"
	"Tweeter"	Speaker Size Tweeter "None", "Use"
"REAR"	"Location"	Speaker Location Rear • "Door", "Rear Deck" • "2nd Row", "3rd Row" (Car type: "Minivan", "Minivan (Long)")
	"Size"	Speaker Size Rear "None", "O.E.M.", "4inch", "5inch", "6 1/2inch", "6 3/4inch", "7inch", "4x6", "5x7", "6x8", "6x9", "7x10"
	"SUB W"	Speaker Size Subwoofer "None", "6 1/2inch", "8inch", "10inch", "12inch", "15inch Over"

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than “ STANDBY”.

SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Enter Speaker setting mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Detailed Setup” > “Speaker Setting”.

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Audio Control mode

Press the [MENU] button for at least 1 second.

## Car Type Fine Adjustments

Adjusting fine tuning of the speaker position compensation value specified at [<Car Type Selection>](#) (page 50).

Display	Item	Range
"Front"	Front speaker	0 – 14.44 feet
"Rear"	Rear speaker	0 – 14.44 feet
"SW"	Subwoofer	0 – 14.44 feet

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than “ STANDBY”.

↳ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Enter Car Type Adjustment mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Detailed Setup” > “Car Type Adjust”.

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

### 5 Make a setting

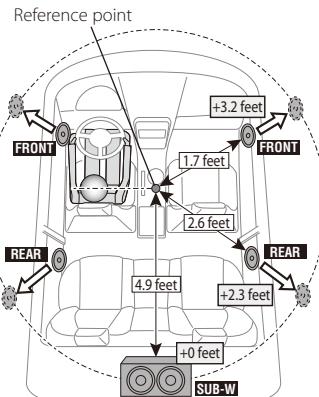
Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

The settings of the delay time are automatically identified and compensated by specifying the distances of each speaker from the center of the vehicle interior.

1 Set the front and rear positions and the height of the reference point to the position of the ears of the person sitting in the front seat, and set the right and left positions to the center of the vehicle interior.

2 Measure the distances from the reference point to the speakers.

3 Calculate the distance difference in accordance with the farthest speaker.



### 6 Exit Audio Control mode

Press the [MENU] button for at least 1 second.

# DSP Setup

## X'Over Setting

Fine adjusting the following setting values corresponding to the X'Over values set in the section [\(page 50\)](#).

Display	Item	Range
"X'Over"		
"Front"	"FC"	Front High Pass Filter Through, 30, 40, 50, 60, 70, 80, 90, 100, 120, 150, 180, 220, 250 (Hz)
	"SLOPE"	Front High Pass Slope -6, -12, -18, -24 dB/Oct
"Rear"	"FC"	Rear High Pass Filter Through, 30, 40, 50, 60, 70, 80, 90, 100, 120, 150, 180, 220, 250 (Hz)
	"SLOPE"	Rear High Pass Slope -6, -12, -18, -24 dB/Oct
"SubWoofer"	"FC"	Subwoofer Low Pass Filter 30, 40, 50, 60, 70, 80, 90, 100, 120, 150, 180, 220, 250, Through (Hz)
	"SLOPE"	Subwoofer Slope -6, -12, -18, -24 dB/Oct
	"PHASE"	Subwoofer Phase Reverse (180°) / Normal (0°)

### 1 Select the source

Press the [SRC] button repeatedly also switches source.

Select a source other than "STANDBY".

 SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### 2 Enter Audio Control mode

Press the [Volume] knob.

### 3 Enter X'Over setting mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Detailed Setup" > "X'Over".

### 4 Select the speaker you want to set

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Front", "Rear", or "SubWoofer".

### 5 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

### 6 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 7 Repeat steps 3 to 5 to complete the X'Over settings

## 8 Exit Audio Control mode

Press the [MENU] button for at least 1 second.

## Audio Preset Memory

Registering the value setup by Sound Control.

### 1 Setup Sound Control

Refer to the following operations to setup the Sound Control.

- [Car Type Selection \(page 50\)](#)
- [Speaker Setting \(page 50\)](#)
- [Car Type Fine Adjustments \(page 51\)](#)
- [X'Over Setting \(page 52\)](#)
- [Manual Equalizer Control \(page 47\)](#)
- [Listening Position Selection \(page 48\)](#)
- [Listening Position Fine Adjustments \(page 48\)](#)

### 2 Enter Audio preset memory mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Detailed Setup" > "Preset" > "Preset Memory".

### 3 Select the number to put in the memory

Turn the [Volume] knob and press it when the desired item is displayed.

Select a preset number.

### 4 Turn the [Volume] knob and press it when the desired item is displayed.

Select "YES".

"Completed" is displayed.

### 5 Exit Audio Control mode

Press the [MENU] button for at least 1 second.



- Register 6 patterns of Audio Preset Memory.

- Preset number "1":

When you press the Reset, all the sources will be the setting value which is registered.

- Preset number "1" and "2":

The memory cannot be erased by the Reset button.

- This function cannot be registered when the iPod Equalizer set in [\(page 47\)](#).

## **Audio Preset Recall**

---

Recalling the sound setup registered by [\*\*<Audio Preset Memory>\*\*](#) (page 52).

### **1 Select the source**

Press the [SRC] button repeatedly also switches source.

Select a source other than “ STANDBY”.

 SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### **2 Enter Audio preset recall mode**

Turn the [Volume] knob and press it when the desired item is displayed.

Select “Detailed Setup” > “Preset” > “Preset Recall”.

### **3 Select the number to recall in the memory**

Turn the [Volume] knob and press it when the desired item is displayed.

Select the preset number.

### **4 Turn the [Volume] knob and press it when the desired item is displayed.**

Select “YES”.

“Completed” is displayed.

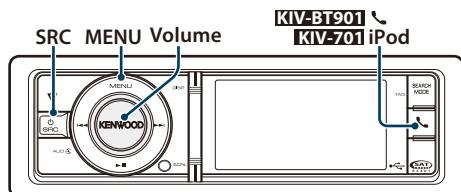
### **5 Exit Audio Control mode**

Press the [MENU] button for at least 1 second.



- The “User” of [\*\*<Preset Equalizer Curve Select>\*\*](#) (page 47) is changed to the value which was recalled.
- The Equalizer curve is changed to the value which was recalled by the selected source.

## Bluetooth Setup



### Function of KIV-BT901

## Easy pairing function

### 1 Enter easy pairing mode

Press the [ ] button for at least 1 second.

Any of the following is displayed depending on cell-phone registration condition:

- "Searching": When registering a cell-phone for the first time.
- "(cell-phone name)": When a cell-phone has already been registered.
- "Device Full": When maximum of five cell-phones have already been registered.

### When registering a cell-phone for the first time (Registering a cell-phone)

#### 2 "Searching" is displayed.

Search for the Bluetooth device.

When search is completed, "Finished" is displayed.

#### 3 Select a cell-phone name

Turn the [Volume] knob and press it when the desired item is displayed.

#### 4 Input the PIN code

1. Turn the [Volume] knob and press it when the desired item is displayed.

Select the digit.

2. Turn the [Volume] knob to select the numbers, and then press the [Volume] knob.

#### 5 Transmit the PIN code

Press the [Volume] knob for at least 1 second.

If "Pairing Success" is displayed, registration is completed.

When "Confirm Phone" is displayed, confirm connection with a cell-phone operation.

#### 6 The receiver is connected to a cell-phone, with "HF Connect" displayed, and exits the easy pairing mode.

**When a cell-phone has already been registered, or maximum of five cell-phones have already been registered (Selecting a cell-phone)**

#### 2 "(cell-phone name)" or "Device Full" is displayed.

#### 3 Select a cell-phone name

Turn the [Volume] knob.

↳ To register a new cell-phone, select "Device Search", then go to "When registering a cell-phone for the first time."

#### 4 Set up the cell-phone name

Press the [Volume] knob.

"(cell-phone name)" or "(cell-phone name)" is displayed.

"(blue)": The selected Bluetooth device is busy.

"(gray)": The selected Bluetooth device is on standby.

"(blank)": The Bluetooth device is deselected.

↳ If a Bluetooth device is already selected, deselect it, and then select a different one.

#### 5 Exit easy pairing mode

Press the [ ] button.

### Deleting the registered cell-phone

#### 2 "(cell-phone name)" or "Device Full" is displayed.

#### 3 Select a cell-phone name

Turn the [Volume] knob.

#### 4 Delete the selected cell-phone

Press the [Volume] knob for at least 2 seconds.

#### 5 Turn the [Volume] knob and press it when the desired item is displayed.

Select "YES".

"Delete" is displayed.

## Bluetooth Setting

You can select following Bluetooth Setting items.

### 1 Enter Bluetooth mode

KIV-BT901: Press the [ ] button.

KIV-701: Press the [iPod] button for at least 1 second.

### 2 Turn the [Volume] knob and press it when the desired item is displayed.

Select "BT Settings".

### 3 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Overview
"SMS Inbox"	Display the received short message. Refer to < <a href="#">Display the SMS</a> > (page 61).
"BT Settings"	
"Pairing"	
"Device Registration"	Register a Bluetooth device (pairing). Refer to < <a href="#">Registering Bluetooth Device (Pairing)</a> > (page 56).
"Phone Selection"	Select a cell-phone or Bluetooth audio player connection.
"Audio Selection" <sup>*1</sup>	Refer to < <a href="#">Selecting the Bluetooth Device You Wish to Connect</a> > (page 57).
"Special Device Select"	Register a Bluetooth device (pairing). Refer to < <a href="#">Registering Bluetooth Device (Pairing)</a> > (page 56).
"Device Delete"	Cancel registration of the Bluetooth device. Refer to < <a href="#">Deleting a Registered Bluetooth Device</a> > (page 58).
"SMS Download"	Download a short message. Refer to < <a href="#">Downloading the SMS</a> > (page 61).
"Voice Tag"	Registers voice for voice recognition and voice to select the Phone number category in Phone book. - <a href="#">Adding a Voice Dialing Command</a> (page 59) - <a href="#">Setting a Voice Command for Category</a> (page 60)
"Detailed Setup"	Move to detailed item.
"PIN Code Edit"	Specify the PIN code required when registering this unit using the Bluetooth device. Refer to < <a href="#">Registering PIN Code</a> > (page 57).
"Auto Answer"	Answer a call automatically after lapse of the preset time interval for automatic answer. "OFF" / "0s" - "8s" - "99s"
"Auto Reconnect" <sup>*2</sup>	Automatically reconnects the selected Bluetooth device when radio wave becomes strong enough, even after it is disconnected. "ON" / "OFF"  When this function is enabled, the Bluetooth device is reconnected even if "Phone Selection" is selected to select a cell-phone connection. To cancel the Bluetooth connection, select OFF to disable this function.
"Bluetooth HF" <sup>*2</sup>	You can specify output speakers for hands-free voice communication and Bluetooth audio sound.
"Bluetooth HF/ Audio" <sup>*1</sup>	"Front": Outputs voice from the front speakers. "All": Outputs voice from the front and rear speakers.
"Call Beep"	You can output a beep from the speaker when a call comes in. "ON": Beep is heard. "OFF": Beep is canceled.
"BT F/W Update"	Display the version of the firmware of this unit.

"Mic Gain" <sup>*3</sup>	Adjust the sensitivity of the microphone for a telephone call. Adjust the voice of caller. Setting to "+" increases the voice volume. "-3" - <u>"0"</u> - "+3"
"Noise Reduction" <sup>*3</sup>	Reduce the noises generated by surrounding environment without changing the microphone volume. Adjust the voice of caller when it is not clear. Setting to "+" increases the noise reduction. "-3" - <u>"0"</u> - "+3"
"Echo Cancel Level" <sup>*3</sup>	Adjust the level of echo cancellation. Setting to "+" increases the echo cancel reduction. "-2" - <u>"0"</u> - "+2"

(    : Factory setting)

<sup>\*1</sup> Function of KIV-701 with KCA-BT300/BT200 (Optional Accessory)

<sup>\*2</sup> Function of KIV-BT901

<sup>\*3</sup> Function of KIV-BT901/ KIV-701 with KCA-BT300 (Optional Accessory)

#### 4 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

#### 5 Exit BT Setting mode

Press the [MENU] button for at least 1 second.

#### 6 Exit Bluetooth mode

KIV-BT901: Press the [] button.

KIV-701: Press the [iPod] button for at least 1 second.

#### Remarks

- "Auto Answer" (Setting the Time Interval for Automatic Answer)

This function automatically answers (responds to) a call after lapse of the preset time interval for automatic answer.

"OFF": Does not answer the phone call automatically.

"0": Automatically answers the phone call at once.

"1s" - "99s": Automatically answers the phone call after lapse of 1 – 99 seconds.



- If the time set in the cell-phone is shorter than that set in the unit, the former will be used.

- This function does not work for call waiting.

- "BT F/W Update" (Displaying the Firmware Version)

Display the version of the firmware of this unit.

For how to update the firmware, access our web site.

<http://www.kenwood.com/cs/ce/bt/>

## Bluetooth Setup

### Registering Bluetooth Device (Pairing)

To make your Bluetooth device (cell-phone) usable with this unit, you need to register it (pairing). You can register up to 5 Bluetooth devices to this unit.

#### Registering from Bluetooth devices

##### 1 Turn on this unit

Press the [SRC] button.

##### 2 Start registering this unit by operating the Bluetooth device

By operating the Bluetooth device, register the hands-free unit (pairing). Select "KENWOOD BT USB/R-3P1"/"KCA-BT300"/"KCA-BT200" from the list of connected units.

##### 3 Enter a PIN code

Input the PIN code ("0000") in the Bluetooth device.

Check that registration is complete on the Bluetooth device.

☞ PIN code is set to "0000" as the default. You can change this code. Refer to <Registering PIN Code> (page 57).

##### 4 By operating the Bluetooth device, start hands-free connection.

#### Registering from this unit

##### 1 Enter Bluetooth mode

KIV-BT901: Press the [] button.

KIV-701: Press the [iPod] button for at least 1 second.

##### 2 Enter Bluetooth device registration mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "BT Settings" > "Pairing" > "Device Registration".

Search for the Bluetooth device.

When search is completed, "Finished" is displayed.

##### 3 Select a Bluetooth device

Turn the [Volume] knob and press it when the desired item is displayed.

##### 4 "Confirm Phone" is displayed (KCA-BT300 only)

When "Confirm Phone" is displayed, confirm connection with a cell-phone operation.

If "Pairing Success" is displayed, proceed to step 7. If "Pairing Failed"/"Connect NG" is displayed. Press

the [Volume] knob and proceed to steps 5.

##### 5 Input the PIN code

1. Turn the [Volume] knob and press it when the desired item is displayed.  
Select the digit.
2. Turn the [Volume] knob to select the numbers, and then press the [Volume] knob.

##### 6 Transmit the PIN code

Press the [Volume] knob for at least 1 second.

If "Pairing Success" is displayed, registration is completed.

When "Confirm Phone" is displayed, confirm connection with a cell-phone operation.

☞ If the error message appears even though the PIN code is correct, try <Registering Special Bluetooth device>.

##### 7 Return to the device list

Press the [Volume] knob.

##### 8 Exit BT Setting mode

Press the [MENU] button for at least 1 second.



- This unit allows up to eight digits to be input for a PIN code. If a PIN code cannot be input from this unit, it can be input from the Bluetooth device.
- If there are 5 or more Bluetooth devices registered, you cannot register a new Bluetooth device.

#### Registering Special Bluetooth device

Allow registration of a special device that cannot be registered normally (pairing).

##### 1. Select Special device registration mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "BT Settings" > "Detailed Setup" > "Special Device Select".

A list is displayed.

##### 2. Select a device name

Turn the [Volume] knob and push the center when the desired device name is displayed.

If "Completed" is displayed, registration is completed.

##### 3. Go through the procedure step 3 of <Registering from this unit> and complete the registration (pairing).

#### Cancelling Special device registration mode

Press the [MENU] button for at least 1 second.



- If the device name is not in the list, select "Other Phones".

## Registering PIN Code

By operating the Bluetooth device, specify the PIN code necessary for registering this unit.

### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

### 2 Enter PIN code edit mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "BT Settings" > "Detailed Setup" > "PIN Code Edit".

The current setting of PIN code is displayed.

### 3 Input the PIN code

1. Turn the [Volume] knob and press it when the desired item is displayed.

Select the digit.

2. Turn the [Volume] knob to select the numbers, and then press the [Volume] knob.

### 4 Register a PIN code

Press the [Volume] knob for at least 1 second.

If "Completed" is displayed, registration is completed.

### 5 Exit BT Setting mode

Press the [MENU] button for at least 1 second.



- By default, "0000" is specified.
- A PIN code can be specified with up to eight digits.

## Selecting the Bluetooth Device You Wish to Connect

When two or more Bluetooth devices have already been registered, you need to select the Bluetooth device you wish to use.

### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

### 2 Select Bluetooth device selection mode

Turn the [Volume] knob and press it when the desired item is displayed.

#### Cell-phone

Select "BT Settings" > "Pairing" > "Phone Selection".

#### Audio player (KIV-701 only)

Select "BT Settings" > "Pairing" > "Audio Selection".

"(device name)" is displayed.

### 3 Select the Bluetooth device

Turn the [Volume] knob.

### 4 Set up the Bluetooth device

Press the [Volume] knob.

" (device name)" or " (device name)" is displayed.

" (blue): The selected Bluetooth device is busy.

" (gray): The selected Bluetooth device is on standby.

" " (blank): The Bluetooth device is deselected.

### 5 Exit BT Setting mode

Press the [MENU] button for at least 1 second.



- If a Bluetooth device is already selected, deselect it, and then select a different one.
- If you cannot select a device using the audio player, connect the device with the audio player.

## Bluetooth Setup

### Deleting a Registered Bluetooth Device

You can delete a registered Bluetooth device.

#### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

#### 2 Enter Bluetooth device deletion mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "BT Settings" > "Pairing" > "Device Delete".

"(device name)" is displayed.

#### 3 Select the Bluetooth device

Turn the [Volume] knob.

#### 4 Delete the selected Bluetooth device

Press the [Volume] knob.

#### 5 Turn the [Volume] knob and press it when the desired item is displayed.

Select "YES".

"Delete" is displayed.

#### 6 Exit BT Setting mode

Press the [MENU] button for at least 1 second.



- When a registered cell-phone is deleted, its Phone Book, log, SMS, and voice tag are also deleted.

### Downloading the Phone Book

Download the phone book data from the cell-phone to this unit so that you can use the Phone Book of this unit.

#### To download automatically

If the cell-phone supports a phone book synchronization function, the phone book is downloaded automatically after Bluetooth connection.



- Setting on the cell-phone may be required.
- If no phone book data is found in the unit even after the complete display, your cell-phone may not support automatic download of phone book data. In this case, try downloading manually.

#### To download from the cell-phone manually

##### 1 By operating the cell-phone, end the hands-free connection.

##### 2 By operating the cell-phone, send the phone book data to this unit

By operating the cell-phone, download the phone book data to this unit.

- During downloading: "Downloading" is displayed.
- After completion of downloading: "Completed" is displayed.

##### 3 By operating the cell-phone, start the hands-free connection.

#### To clear the downloading completion message

Press any button.



- Up to 1000 phone numbers can be registered for each registered cell-phone.
- Up to 25 (KIV-BT901)/ 32 (KIV-701) digits can be registered for each phone number along with up to 50\* characters representing a name.  
(\* 50: Number of alphabetical characters. Fewer characters can be input depending on the type of characters.)
- To cancel downloading of the phone book data, operate the cell-phone.

## Adding a Voice Dialing Command

Add a voice tag to the phone book for voice dialing.  
You can register up to 35 voice tags.

### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

### 2 Enter Phone book name edit mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "BT Settings" > "Voice Tag" > "Phonebook Name Edit".

### 3 Search for the name to register

Select the name to register with reference to 4 in <Calling a Number in the Phone Book> (page 34).

If a voice tag has already been registered for a name, "\*" is displayed before the name.

### 4 Select a mode

Turn the [Volume] knob.

Display	Operation
"Phonebook Name Registration"	Register a voice tag.
"Phonebook Name Check"*	Play a voice tag.
"Phonebook Name Delete"**	Delete a voice tag.

\* Displayed only when a name for which a voice tag has been registered is selected.

### Select "Phonebook Name Registration"

(Registration)

### 5 Press the [Volume] knob.

### 6 Register a voice tag (first)

"Enter Voice 1" is displayed.

When a beep is heard, say a voice tag within 2 seconds.

### 7 Confirm the voice tag (second)

"Enter Voice 2" is displayed.

When a beep is heard, say the same voice tag as that you said in step 6 within 2 seconds.

"Completed" is displayed.

### 8 End registration

Press the [Volume] knob.

Return to step 3. You can register another voice tag continuously.



- If your voice cannot be recognized, a message is displayed. Pressing the [Volume] knob allows you to retry voice input. Refer to <Troubleshooting Guide> (page 84).

### Select "Phonebook Name Check" (Play)

### 5 Press the [Volume] knob.

Play the registered voice and return to step 3.

### Select "Phonebook Name Delete" (Delete)

### 5 Delete a voice tag

Press the [Volume] knob.

### 6 Turn the [Volume] knob to select "YES", and then press the [Volume] knob.

### Exit BT Setting mode

Press the [MENU] button for at least 1 second.



- Audio sound is not output during voice tag registration.

## Bluetooth Setup

### Setting a Voice Command for Category

Add a voice tag to the phone number category (type) for voice calling.

#### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

#### 2 Enter Phone Number type edit mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "BT Settings" > "Voice Tag" > "Phonebook Type Edit".

#### 3 Select the category (type) you wish to set

Turn the [Volume] knob and press it when the desired item is displayed.

Select "General", "Home", "Office", "Mobile", or "Other".

#### 4 Select a mode

Turn the [Volume] knob.

Display	Operation
"Phonebook Type Registration"	Register a voice tag.
"Phonebook Type Check"*	Play a voice tag.
"Phonebook Type Delete"**	Delete a voice tag.

\* Displayed only when a name for which a voice tag has been registered is selected. Function of KIV-701 with KCA-BT300/BT200 (Optional Accessory)

#### 5 Register the category (type) by performing steps 5 to 8 in [Adding a Voice Dialing Command](#) (page 59).

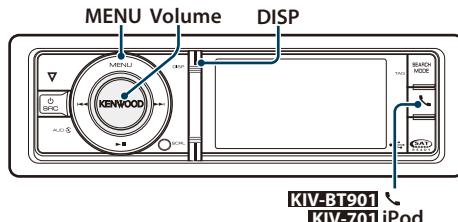
#### 6 Exit BT Setting mode

Press the [MENU] button for at least 1 second.



- Set the voice tag for all the 5 categories. If the voice tag is not registered for all the categories, the Phone book may not be recalled by voice command.

## SMS (Short Message Service)



### Downloading the SMS

Download the short message (SMS) arrived at the cell-phone so that it can be read on this unit.

#### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

#### 2 Enter SMS download mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "BT Settings" > "SMS Download".

#### 3 Start downloading

Press the [Volume] knob.

"SMS Downloading" is displayed.

When the downloading finishes, "Completed" is displayed.

#### 4 Exit BT Setting mode

Press the [MENU] button for at least 1 second.

#### 5 Exit Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.



- The cell-phone must be able to transmit the SMS using Bluetooth. Setting on the cell-phone may be required. If the cell-phone does not support SMS function, the SMS download item in Function Control mode is not displayed.
- When the SMS is downloaded from the cell-phone, the unopened messages in the cell-phone are opened.
- The already-read and unread short messages can be respectively downloaded up to 75.
- Up to 200 characters can be received per SMS.

### Display the SMS

The SMS arrived at the cell-phone is displayed on the receiver.

A newly arrived message is displayed.



- To prevent car accidents, the driver should not read the SMS while driving.

#### When a new message arrives

"SMS RECEIVED" is displayed.

The display disappears with any operations.

#### Displaying the SMS

##### 1 Enter Bluetooth mode

KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.

##### 2 Enter SMS Inbox mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "SMS Inbox".

A message list appears.

##### 3 Select a message

Turn the [Volume] knob.

Each pressing of the [DISP] button switches between telephone number or name and message reception date.

##### 4 Display the text

Press the [Volume] knob.

Turning the [Volume] knob scrolls the message. Pressing the [Volume] knob again returns to the message list screen.

##### 5 Exit SMS Inbox mode

Press the [MENU] button.

##### 6 Exit Bluetooth mode

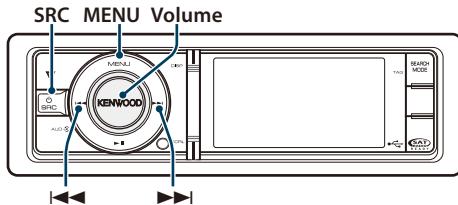
KIV-BT901: Press the [BT] button.

KIV-701: Press the [iPod] button for at least 1 second.



- The unopened message is displayed at the beginning of the list. Other messages are displayed in the order of reception.
- The SMS that has arrived when the cell-phone is not linked with Bluetooth cannot be displayed. Download the SMS.
- The short message cannot be displayed during downloading the SMS.

# Satellite Radio Tuner Control (Optional)



## Basic Operation

### Selecting Satellite Radio source

Press the [SRC] button repeatedly also switches source.

Select the "SIRIUS", or "XM" display.

④ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.



- You need to register to the service provider to receive the service by Satellite Radio. Consult the service provider if "CALL ... TO SUBSCRIBE" appears.
- The radio may take a little time to start receiving after you select the Satellite Radio source.
- If the signal reception fails, "Acquiring Signal"/"No Signal" appears.

### Selecting the channel

Press the [ $\blacktriangleleft\blacksquare$ ] or [ $\triangleright\blacksquare$ ] button.

### Selecting the Preset Band

1. Enter Menu List mode  
Press the [MENU] button.
2. Turn the [Volume] knob and press it when the desired item is displayed.  
Select "SR1", "SR2", "SR3" or "SR4". (SIRIUS)  
Select "XM1", "XM2", "XM3" or "XM4". (XM)

### Switching display

Press the [DISP] button to select display mode.  
Selects the Information or Clock.

Display example of information display mode



① Station information (see <Customization of Display> (page 40))

## Satellite Radio Setting

You can select following Satellite Radio Setting items.

### 1 Select Satellite Radio source

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Turn the [Volume] knob and press it when the desired item is displayed. Select "Settings".

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

#### Display

Display	Selectable setting/item
"Settings"	
"Seek Mode"	Selects the tuning mode of the radio. "Channel": Normal manual seeking control. "Preset": Search in order of the channels in the Preset memory
"ESN"	Displays the Electronic Serial Number of satellite radio. "ESN="

( \_\_\_\_ : Factory setting)

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

## Category and Channel Search

Selecting the channel and category you want to receive.

### 1 Select Satellite Radio source

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Category and Channel Search mode

Turn the [Volume] knob and press it when the desired item is displayed.  
Select "Channel Search".

### 4 Select the Category

Turn the [Volume] knob to select Category, and then press the [Volume] knob.

### 5 Select the Channel

Turn the [Volume] knob to select Channel, and then press the [Volume] knob.

## Cancelling Category and Channel Search mode

Press the [MENU] button for at least 1 second, and then press it again briefly.



- You cannot Channel search until the category information is acquired.

## Preset Memory

Putting the channel in the memory.

### 1 Select the channel you wish to store in the preset memory

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Enter Preset Memory mode

Turn the [Volume] knob and press it when the desired item is displayed.

Select "List & Memory".

### 4 Select the number to put in the memory

Turn the [Volume] knob and press it for at least 2 seconds when the desired item is displayed.

Select the preset number.



- Only the channel number is stored. Category information is not stored.
- Up to six channels can be registered for each preset band. Selecting "Mixed" for "Tuner Preset Type" allows you to register up to six stations including FM, AM, and another Satellite Radio Tuner regardless of the selected source. See "Tuner Preset Type" of <Initial Settings> (page 43).

## Preset Tuning

Recalling the channels in the memory.

### 1 Select Satellite Radio source

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Select a desired station in the memory

Turn the [Volume] knob and press it when the desired item is displayed.

Select "List & Memory" > Preset number.

## Channel Scan

Every receivable Channel is checked for 10 seconds.

### 1 Select Satellite Radio source

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Start Channel Scan

Turn the [Volume] knob and press it when the desired item is displayed.

Select "Channel Scan".

### 4 Release it when the channel you want to listen to is received

Press the [Volume] knob.

Function of remote control

## Direct Access Tuning

Entering the channel and tuning.

### 1 Select Satellite Radio source

### 2 Enter Direct Access Tuning mode

Press the [DIRECT] button on the remote control.

### 3 Enter the channel

Press the number buttons.

### 4 Tune in to the entered channel

Press the [ $\blacktriangleleft\blacksquare$ ] or [ $\blacksquare\blacktriangleright$ ] button.

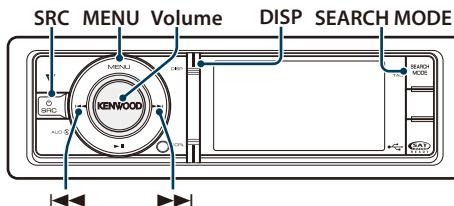
## Cancelling Direct Access Tuning

Press the [DIRECT] button on the remote control.



- If you make no button operation for 10 seconds, the Direct Access Tuning mode is automatically canceled.
- If you cannot receive any signal in the input Channel due to bad conditions on radio wave or other such problems, "Acquiring Signal"/"No Signal" appears.

# HD Radio™ Tuner Control (Optional)



## Basic Operation

### Selecting HD Radio source

Press the [SRC] button repeatedly also switches source.

Select the HD RADIO display.

☞ SRC Select mode 2: Press the [SRC] button. Turn the [Volume] knob and press it when the desired item is displayed.

### Selecting the Receiving Band

1. Enter Menu List mode

Press the [MENU] button.

2. Turn the [Volume] knob and press it when the desired item is displayed.

Select "FM1", "FM2", "FM3" or "AM".

### Selecting the Receiving station or channel

Press the [ ] or [ ] button.

During reception of stereo stations the "ST" indicator lights up.

☞ Details of the station selecting in operation are set in the "Seek Mode" of <HD Radio™ Setting> (page 65).

### Switching display

Press the [DISP] button to select display mode.

Selects the Information or Clock.

Display example of information display mode



① Station information (see <Customization of Display> (page 40))

② Status indicator (see <Display Indicator items> (page 76))

## Station Preset Memory

Putting a station in the memory.

1 Select the radio band and tune in a desired radio station you wish to store in the preset memory

2 Enter Menu List mode  
Press the [MENU] button.

3 Enter Preset Memory mode

Turn the [Volume] knob and press it when the desired item is displayed.  
Select "List & Memory".

4 Select the number to put in the memory  
Turn the [Volume] knob and press it for at least 2 seconds when the desired item is displayed.  
Select the preset number.



You can register up to 18 FM stations and six AM stations. Selecting "Mixed" for "Tuner Preset Type" allows you to register up to six stations including FM, AM, and another Satellite Radio Tuner regardless of the selected source. See "Tuner Preset Type" of <Initial Settings> (page 43).

## Auto Memory Entry

Putting stations with good reception in the memory automatically.

1 Select the radio band you wish to store in the preset memory

2 Enter Menu List mode  
Press the [MENU] button.

3 Enter Auto Memory Entry mode

Turn the [Volume] knob and press it when the desired item is displayed.  
Select "Settings" > "Auto Memory".

4 Open Auto Memory Entry

Turn the [Volume] knob and press it when the desired item is displayed.

Select "YES".

When 6 stations that can be received are put in the memory, auto memory entry closes.



This setting can be made when "Type Normal" is selected for the "Tuner Preset Type" of <Initial Settings> (page 43).

## Preset Tuning

Recalling the stations in the memory.

### 1 Select the radio band

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Select a desired station in the memory

Turn the [Volume] knob and press it when the desired item is displayed.

Select "List & Memory" > Preset number.

## HD Radio™ Setting

You can select following HD Radio Setting items.

### 1 Select the HD Radio source

### 2 Enter Menu List mode

Press the [MENU] button.

### 3 Turn the [Volume] knob and press it when the desired item is displayed.

Select "Settings".

### 4 Select the setting item to adjust

Turn the [Volume] knob and press it when the desired item is displayed.

Display	Overview
"Settings"	
"Seek Mode"	Selects the tuning mode of the radio. "Auto1": Automatic search for a station. "Auto2": Search in order of the stations in the Preset memory. "Manual": Normal manual tuning control.
"Auto Memory"	Memorizes 6 stations with good reception automatically. "YES"/ "NO"
"Receive Mode"	Sets the receive mode of the HD Radio receiver. "Auto": Automatically tunes to analog broadcast when there is no digital broadcast. "Digital": Digital broadcasts only. "Analog": Analog broadcasts only.
"TAG Memory"**1	Displays the tag memory usage of HD Radio receiver. Up to 50 tags can be registered to this unit. "##/50"
"Tagging"**1	Turns ON / OFF the tag memory function of HD Radio receiver. "ON"/ "OFF"

( \_\_\_\_ : Factory setting)

\*1 Only with KTC-HR300 (optional accessory) connected

### 5 Make a setting

Turn the [Volume] knob to select a setting value, and then press the [Volume] knob.

### 6 Exit Menu List mode

Press the [MENU] button for at least 1 second, and then press it again briefly.

## HD Radio™ Tuner Control (Optional)

Function of KTC-HR300 (optional accessory)  
Function of remote control

### Direct Access Tuning

Tuning in a desired radio station by entering the frequency.

#### 1 Select the radio band

#### 2 Enter Direct Access Tuning mode

Press the [DIRECT] button.  
“— — —” is displayed.

#### 3 Select Tuning item

Press the [DIRECT] button.

Pressing the [DIRECT] button each time switches the tuning items as follows.

Items	Display
Frequency	“— — —”
Channel	“HD —”
Cancelling Direct Access Tuning	—

#### 4 Enter the frequency or channel

Press the number buttons.

Example of frequency input:

Desired frequency	Press button
92.1 MHz (FM)	[9], [2], [1]
810 kHz (AM)	[8], [1], [0]

#### 5 Tune in to the entered frequency or channel

Press the [ $\blacktriangleleft\blacktriangleright$ ] or [ $\blacktriangleright\blacktriangleleft$ ] button.

#### Cancelling Direct Access Tuning

Press the [DIRECT] button on the remote control.



- You can enter the FM band frequency in steps of a minimum of 0.1 MHz.

Function of KTC-HR300 (optional accessory)

### iTunes Tagging

Using an iTunes Tagging enabled HD Radio receiver you can tag your music. When you hear a song you enjoy on your local HD Radio station, you only have to press the [SEARCH MODE] button. The song's information will then be saved on this unit. The saved songs will then show up in a playlist called “Tagged” in iTunes the every next time you sync your iPod to your computer. So then you just need to click and then easily buy and download the song you were tagging directly from the Apple iTunes Music Store.

#### 1 Saves Song's Information.

Press the [SEARCH MODE] button.

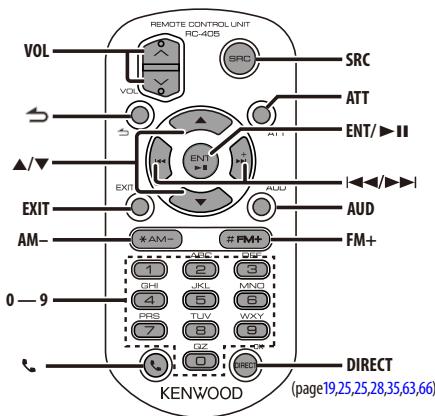
“TAG” will be displayed when song information can be registered.



- Turn “ON” the “Tagging” of [\(HD Radio™ Setting\)](#) (page 65) when using this function.
- Up to 50 TAGs (song's information) can be registered to this unit. When iPod is connected, the TAG information registered to this unit is transferred to the connected iPod.
- The memory usage can be checked by selecting “TAG Memory” of [\(HD Radio™ Setting\)](#) (page 65).



# Basic Operations of Remote Control



## General control

- Volume control: [VOL]
- Source select: [SRC]
- Volume reduce: [ATT]  
When the button is pressed again, the volume returns to the previous level.
- Return to previous item: [◀]
- Exit from mode: [EXIT]
- Selection of item: [▲]/[▼]
- Determination: [ENT]
- Enter Audio Control mode: [AUD]

## In Tuner source

- Band select: [FM+]/[AM-]
- Station select: [◀◀]/[▶▶]
- Recall preset stations: [1] — [0] and [ENT]  
Example:

Desired preset number	Press button
1	[1], [ENT]
6	[6], [ENT]
10	[1], [0], [ENT]
18	[1], [8], [ENT]

## In USB/ Internal Memory source

- Music select: [◀◀]/[▶▶]
- Folder select: [FM+]/[AM-]
- Pause/Play: [▶ II]
- Movement between Menu List mode: [▲]/[▼]
- Return to previous folder: [◀]

## In iPod source

- Movement between Menu List mode:  
[▲]/[▼]
- Return to previous item: [◀]
- Music select: [◀◀]/[▶▶]
- Pause/Play: [▶ II]

## In Satellite Radio tuner source

- Preset band select: [FM]
- Channel select: [◀◀]/[▶▶]
- Recall preset channels: [1] — [6]

## In HD Radio source

- Band select: [FM+]/[AM-]
- Station select: [◀◀]/[▶▶]
- Recall preset stations: [1] — [6]

## Hands-free phone control

### Making a call

- Enter the dialing method selection mode: [📞]
- Select a dialing method: [ENT]
- Number dial input:
  - Input a digit: [0] – [9]
  - Input "+": [▶▶]
  - Input "#": [FM+]
  - Input "\*": [AM-]
- Clear the entered phone number: [◀◀]

- Make a call: [DIRECT]

### Receiving a call

- Answer the call: [📞]
- Switch between the private talk mode and the hands-free talk mode: [ENT]

### Call waiting

- Answer Another Incoming Call with the Current Call Suspended: [📞]
- Answer another Incoming Call after Terminating the Current Call: [SRC]
- Continue the Current Call: [1]

### During a call

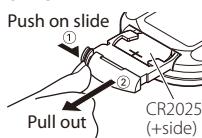
- End the call: [SRC]

## Preparing the remote control unit

Pull the battery sheet out from the remote control unit to the direction of the arrow.



### Changing the battery of the remote control unit



Use a commercially available button battery (CR2025). Insert the battery with the + and – poles aligned properly, following the illustration inside the case.

### CAUTION

- Do not set the remote control in hot places such as on the dashboard.
- Lithium battery.  
Danger of explosion if the battery is incorrectly replaced.  
Replace only with the same or equivalent type.
- The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Keep battery out of reach of children and in original package until ready to use. Dispose of used batteries promptly. If swallowed contact physician immediately.

# Appendix

## About Audio file

- **Playable Audio file**

AAC-LC (.m4a)  
MP3 (.mp3)  
WMA (.wma)  
Linear PCM (WAV) (.wav)

- **Acceptable Album art**

MP3 ID3 v2.3  
JPEG (Max. 500 KB)

- **Playable USB device**

USB mass storage class

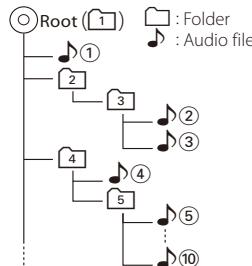
- **Playable USB device file system**

FAT16, FAT32

Although the audio files are complied with the standards listed above, the play maybe impossible depending on the types or conditions of media or device.

- **Playing order of the Audio file**

In the example of folder/file tree shown below, the files are played in the order from ① to ⑩.



An online manual about audio files is put on the site, [www.kenwood.com/cs/ce/audiofile/](http://www.kenwood.com/cs/ce/audiofile/). On this online manual, detailed information and notes which are not written in this manual are provided. Make sure to read through the online manual as well.



- In this manual, the word "USB device" is used for flash memories and digital audio players which have USB terminals.

## About Video files

- **Acceptable video files**

H.264/MPEG-4 AVC (.mp4, .avi : Baseline Profile)  
MPEG-4 (.mp4, .avi : Simple Profile)  
WMV 9 (.wmv)

- **Picture size**

Recommended: 320 x 240 (QVGA)  
Minimum: 160 x 120

- **Acceptable media**

Mass-storage-class USB device, iPod

Acceptable USB device file system, file and folder names and playing order are the same as those for audio files. See <About Audio files>.

## About Picture files

- **Acceptable picture files**

JPEG (.jpg)  
BMP (.bmp)

- **Acceptable media**

Mass-storage-class USB device

Acceptable USB device file system, file and folder names and playing order are the same as those for audio files. See <About Audio files>.

## iPod/iPhone that can be connected to this unit

Made for

• iPod touch (4th generation)	• iPod touch (3rd generation)
• iPod touch (2nd generation)	• iPod touch (1st generation)
• iPod classic	• iPod with video
• iPod nano (6th generation)	• iPod nano (5th generation)
• iPod nano (4th generation)	• iPod nano (3rd generation)
• iPod nano (2nd generation)	• iPod nano (1st generation)
• iPhone 4G	• iPhone 3GS
• iPhone 3G	• iPhone

(As of April 2011)

- Latest compatible list of iPod/iPhone. For details, see: [www.kenwood.com/cs/ce/ipod](http://www.kenwood.com/cs/ce/ipod)
- Type of control available varies depending on the type of connected iPod. For details, see above URL.
- The word "iPod" appearing in this manual indicates the iPod or the iPhone connected with the iPod connection cable\* (optional accessory).

\* Not supported model KCA-iP500.

Refer to the web site for connectable iPod and iPhone connection cable.

[www.kenwood.com/cs/ce/ipod](http://www.kenwood.com/cs/ce/ipod)

- Do not use a USB cable to extend the iPod connection cable.



- If you start playback after connecting the iPod, the music that has been played by the iPod is played first.

In this case, "RESUMING" is displayed without displaying a folder name, etc. Changing the browse item will display a correct title, etc.

- You cannot operate iPod if "KENWOOD" or "✓" displayed on iPod.

## About PANDORA® internet radio

The requirements for listening to PANDORA® internet radio are as follows:

- Use an Apple iPhone or iPod touch running under iOS3 or later.
- Install the latest version of the PANDORA® application on your iPhone. (Search for "PANDORA" in the Apple iTunes App Store to find and install the most current version.)
- Create an account with PANDORA®. (If you are not already a registered user, an account can be established at [www.pandora.com](http://www.pandora.com).)
- Internet connection by 3G, EDGE, or WiFi.
- iPhone/ iPod connected to this unit with a KCA-IP202.



- The Pandora service is available only in the U.S.
- Because PANDORA® internet radio is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some PANDORA® functionality cannot be operated from this unit.
- For issues using the PANDORA® application, please contact Pandora at [pandora-support@pandora.com](mailto:pandora-support@pandora.com)

## About USB device

- When the USB device is connected to this unit, it will be charged from the unit when the unit is turned on.
- Install the USB device in the place where it will not prevent you from driving your vehicle properly.
- Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device.  
We shall have no compensation for any damage arising out of erasure of the stored data.
- No USB device comes with this unit. You need to purchase a commercially available USB device.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 500 mA.
- When connecting the USB device, usage of the CA-U1EX (option) is recommended. The maximum current consumption of the CA-U1EX is 500 mA.
- Normal playback is not guaranteed when a cable other than the USB compatible cable is used. Connecting a cable whose total length is longer than 4 m can result in abnormal playback.

## About USB hub

- You can use the USB hub with up to 3 ports. The USB hub with 4 and more ports can also be used, but available ports are up to 3 of them.
- Do not connect more than 2 USB hubs to this unit. This unit cannot recognize the USB hubs if more than 2 USB hubs are connected.
- Only one iPod can be connected to a USB hub.
- The iPod connected to the USB hub charged.
- Connect the Multi Card Reader directly to this unit. If connected to an USB hub, proper operation of the unit is not guaranteed.
- Playback cannot be resumed if more than one USB devices of the same model are connected to the USB hub.

## About "KENWOOD Music Editor"

- This unit supports the PC application "KENWOOD Music Editor Light ver1.1" or later.
- When you use the audio file with database information added by the "KENWOOD Music Editor Light ver1.1", you can search a file by title, album or artist name using the [<File Search> \(page 17\)](#).
- In the Instruction manual, the term "Music Editor media" is used to mean the device that contains audio files with database information added with KENWOOD Music Editor.
- "KENWOOD Music Editor Light ver1.1" is available from the following web site:  
[www.kenwood.com/cs/ce/](http://www.kenwood.com/cs/ce/)
- For further information on "KENWOOD Music Editor Light ver1.1", refer to the site above or the application help.

# Appendix

## About the Cell-Phone

This unit conforms to the following Bluetooth specifications:

### KIV-BT901

Version	Bluetooth Standard Ver. 2.0
Profile	HFP (Hands Free Profile) OPP (Object Push Profile) PBAP (Phone Book Access Profile) SYNC (Synchronization Profile)

### KIV-701

You need to register your cell-phone to your Bluetooth Unit beforehand. Make sure to read the instruction manual of the Bluetooth Unit as well.

For the cell-phones verified for compatibility, access the following URL:

[www.kenwood.com/cs/ce/bt/](http://www.kenwood.com/cs/ce/bt/)



- The units supporting the Bluetooth function have been certified for conformity with the Bluetooth Standard following the procedure prescribed by Bluetooth SIG. However, it may be impossible for such units to communicate with your cell-phone depending on its type.
- HFP is a profile used to make a hands-free call.
- OPP is a profile used to transfer data such as a phone book between units.

## About Satellite Radio tuner (Optional)

This unit supports Satellite Radio tuners which are released by SIRIUS and XM.

Refer to the instruction manual of Satellite radio tuner.

## About HD Radio Reception (Optional)

When you connect an HD Radio tuner, Tuner features of the unit are disabled and changed to HD Radio tuner features. With the HD Radio tuner, you can use the similar functions of Tuner features.

## Menu List

### Common function items

Display	Page
"Settings"	—
"Clock & Date"	42
"Clock Adjust"	
"Time Synchronized"	
"Summer Time"	
"Sub Clock Adjust"	
"Date Adjust"	
"Date Mode"	
"Display & Illumination"	—
"Display Select"	—
"Type Select"	40, 39
"Side Select"	40
"Text Select"	
"Graphic Select"	40, 39
"Display Off Mode"	38
"Display Dimmer"	
"Text Scroll"	
"Key Color Select"	39
"Key ILLUMI Dimmer"	38
"ILLUMI Effect"	
"ILLUMI Music SYNC"	
"Aspect Set"	
"Monitor Setup"	
"Tuner Settings"	—
"T1"	26
"DEMO Mode"	44

### Function items appearing during standby

Display	Page
"Settings"	—
"Clock & Date"	—
"Display & Illumination"	—
"Initial Settings"	—
"Tuner Preset Type"	43
"Source Select"	
"Beep"	
"Menu Language Select"	
"Pandora Source"	
"Built in AUX"	
"Built in AMP"	
"AV Out Set"	
"R-CAM Interruption"	30
"R-CAM Mirror"	
"System F/W Update"	43

**Function items appearing when the iPod source is selected**

Display	Page
"Music"	7
"Playlists"	
"Artists"	
"Albums"	
"Songs"	
"Podcasts"	
"Genres"	
"Composers"	
"Audiobooks"	
"Videos"	7
"Video Playlists"	
"Movies"	
"Music Videos"	
"TV Shows"	
"Video Podcasts"	
"Rentals"	
"Play Mode"	8
"IPod By Hand Mode"	
"Folder Random"	
"All Random"	
"File Repeat"	
"Port Up"	6
"Settings"	—
"Skip Search"	8
"Device F/W Version"	
"Delete My Playlist"	
"Audiobook Speed"	
"Sound Check"	
"Clock & Date"	—
"Display & Illumination"	—
"Tuner Settings"	—

**Function items appearing when the Pandora source is selected**

Display	Page
"Stations"	14
"New Stations"	15
"Bookmarks"	15
"Bookmark Song"	
"Bookmark Artist"	
"Station Delete"	15
"Port Up"	14
"Settings"	—
"Clock & Date"	—
"Display & Illumination"	—
"Tuner Settings"	—

**Function items appearing when the USB source is selected**

Display	Page
"USB List"	17
"Copy from USB"	20
"Play Mode"	18
"File Scan"	
"Folder Random"	
"All Random"	
"File Repeat"	
"Folder Repeat"	
"Port Up"	16
"Drive Select"	16
"Slide"	22
"Save as Wallpaper"	22
"Settings"	—
"Device F/W Version"	19
"Device F/W Update"	
"Clock & Date"	—
"Display & Illumination"	—
"Tuner Settings"	—

**Function items appearing when the Music Editor media source is selected**

Display	Page
"Music"	17
"Playlists"	
"Artists"	
"Albums"	
"Songs"	
"Genres"	
"Copy from USB"	20
"Play Mode"	18
"File Scan"	
"Folder Random"	
"File Repeat"	
"Port Up"	16
"Drive Select"	16
"Settings"	—
"Skip Search"	19
"Device F/W Version"	
"Device F/W Update"	
"Clock & Date"	—
"Display & Illumination"	—
"Tuner Settings"	—

# Appendix

## Function items appearing when the Zune source is selected

Display	Page
"Music"	17
"Genres"	
"Artists"	
"Albums"	
"Songs"	
"Playlists"	
"Play Mode"	18
"File Scan"	
"Folder Random"	
"File Repeat"	
"Port Up"	16
"Settings"	—
"Skip Search"	19
"Device F/W Version"	
"Clock & Date"	
"Display & Illumination"	
"Tuner Settings"	

## Function items appearing when the Internal memory source is selected

Display	Page
"Internal Memory List"	17
"Play Mode"	18
"File Scan"	
"Folder Random"	
"All Random"	
"File Repeat"	
"Folder Repeat"	
"Settings"	—
"Internal Memory Delete"	21
"Internal Memory Format"	
"Clock & Date"	
"Display & Illumination"	
"Tuner Settings"	

## Function items appearing when the Disc changer source is selected

Display	Page
"Play Mode"	24
"Track Scan"	
"Disc Random"	
"Magazine Random"	
"Track Repeat"	
"Disc Repeat"	
"Settings"	—
"Clock & Date"	—
"Display & Illumination"	—
"Tuner Settings"	—

## Function items appearing when the Tuner source is selected

Display	Page
"List & Memory"	27, 27
"FM"	26
"AM"	
"PTY Search"	29
"Settings"	—
"Seek Mode"	26
"Auto Memory"	27
"TI"	26
"TAG Memory"	
"Tagging"	
"Forced MONO"	
"Clock & Date"	—
"Display & Illumination"	—

## Function items appearing when an AUX source is selected

Display	Page
"Settings"	—
"Name Set"	41
"Clock & Date"	—
"Display & Illumination"	—
"Tuner Settings"	—

**Function items appearing when the Hands-Free source is selected**

Display	Page
"Preset Call"	34
"Phonebook"	34
"Outgoing Calls"	34
"Incoming Calls"	
"Missed Calls"	
"SMS Inbox"	61
"Number Dial"	35
"Voice Recognize"	35
"BT Settings"	—
"Pairing"	—
"Device Registration"	56
"Phone Selection"	57
"Audio Selection"	
"Special Device Select"	56
"Device Delete"	58
"SMS Download"	61
"Voice Tag"	59
"Detailed Setup"	—
"PIN Code Edit"	57
"Auto Answer"	54
"Auto Reconnect"	
"Bluetooth HF"/ "Bluetooth HF/Audio"	
"Call Beep"	
"BT F/W Update"	
"Mic Gain"	
"Noise Reduction"	
"Echo Cancel Level"	

**Function items appearing when the Bluetooth Audio source is selected**

Display	Page
"Settings"	—
"Pairing"	—
"Device Registration"	56
"Audio Selection"	57
"Special Device Select"	56
"Device Delete"	58
"Detailed Setup"	—
"PIN Code Edit"	57
"Bluetooth HF"/ "Bluetooth HF/Audio"	54
"BT F/W Update"	
"Clock & Date"	—
"Display & Illumination"	—
"Tuner Settings"	—

**Function items appearing when the Satellite Radio tuner source is selected**

Display	Page
"List & Memory"	63, 63
"SR1"/ "XM1"	62
"SR2"/ "XM2"	
"SR3"/ "XM3"	
"SR4"/ "XM4"	
"Channel Search"	62
"Channel Scan"	63
"Settings"	—
"Seek Mode"	62
"ESN"	
"Clock & Date"	—
"Display & Illumination"	—
"Tuner Settings"	—

**Function items appearing when the HD Radio™ tuner source is selected**

Display	Page
"List & Memory"	64, 65
"FM1"	64
"FM2"	
"FM3"	
"AM"	
"Settings"	—
"Seek Mode"	65
"Auto Memory"	64
"Receive Mode"	65
"TAG Memory"	
"Tagging"	
"Clock & Date"	—
"Display & Illumination"	—

# Appendix

## Display Indicator items

Source	Display	Overview
General	"ATT"	Indicates that the attenuator is active.
iPod/ USB	"MP3"	Identifies the MP3 file.
	"WMA"	Identifies the WMA file.
	"AAC"	Identifies the AAC-LC file.
	"WAV"	Identifies the WAVE file.
	"MPG4"	Identifies the MPEG4 file.
	"H.264"	Identifies the H.264 file.
	"WMV"	Identifies the WMV file.
	"SCAN"	Indicates that the Scan function is ON.
	"Fo•RDM"	Indicates that the Folder Random function is ON.
	"ALL•RDM"	Indicates that the All Random function is ON.
	"Fo•REP"	Indicates that the Folder Repeat function is ON.
	"Fi•REP"	Indicates that the File Repeat function is ON.
CD Changer	"SCAN"	Indicates that the Scan function is ON.
	"RDM"	Indicates that the Track Random function is ON.
	"M•RDM"	Indicates that the Magazine Random function is ON.
	"D•REP"	Indicates that the Disc Repeat function is ON.
	"T•REP"	Indicates that the Track Repeat function is ON.
	"REP"	Indicates that the Repeat function is ON.
Tuner	"ST"	Indicates that stereo broadcast is being received.
	"TI"	Indicates the reception state of traffic information. (On: TP is being received. Blinking: TP is not being received.)
	"TAG"	Indicates that Tagging is enabled.
HD Radio	"HD A"	Indicates that analog broadcast is being received.
	"HD D"	Indicates that digital broadcast is being received.
	"M/S"	Indicates whether the reception channel is main or sub. (On: The channel is main. Blinking: The channel is sub.)
	"MC"	Indicates that Multi channel is being received.
	"ST"	Indicates that stereo broadcast is being received.
	"TAG"	Indicates that Tagging is enabled.
Hands-Free	"BT"	Bluetooth cell-phone connection status.
	"■■■"	Battery level of cell-phone. Full  >  >  >  Nearly dead
	"☒"	Indicates that the battery level of cell-phone cannot be obtained.
	"☒ll"	Signal strength of cell-phone. Maximum  >  >  >  Minimum
	"OUT"	Indicates the out of coverage zone.
	"☒x"	Indicates that the signal strength of cell-phone cannot be obtained.
	"CALL WAIT"	Indicates call-waiting.
	"PRIVATE"	Indicates that cell-phone is busy in the private mode.

## Time zone list

Continent	City	Time Difference
Area	Hawaii	-10:00
	Alaska	-9:00
	Pacific Time	-8:00
	Arizona	-7:00
	Mountain Time	-7:00
	Central Time	-6:00
	Eastern time	-5:00
	Indiana	-5:00
	Atlantic Time	-4:00
	Mid-Atlantic	-2:00
	W.Central Africa	+1:00
City	Abu Dhabi	+4:00
	Adelaide	+9:30
	Amman	+2:00
	Amsterdam	+1:00
	Anchorage	-9:00
	Ankara	+2:00
	Athens	+2:00
	Atlanta	-5:00
	Auckland	+12:00
	Baghdad	+3:00
	Baku	+4:00
	Bangkok	+7:00
	Beijing	+8:00
	Beirut	+2:00
	Berlin	+1:00
	Bogotá	-5:00
	Brasilia	-3:00
	Brussels	+1:00
	Bucharest	+2:00
	Budapest	+1:00
	Buenos Aires	-3:00
	Cairo	+2:00
	Cape Verde Is.	-1:00
	Caracas	-4:30
	Chicago	-6:00
	Copenhagen	+1:00
	Denver	-7:00
	Detroit	-5:00
	Dhaka	+6:00
	Ekaterinburg	+5:00
	Harare	+2:00
	Helsinki	+2:00
	Hong Kong	+8:00
	Islamabad	+5:00
	Istanbul	+2:00
	Jakarta	+7:00
	Jerusalem	+2:00
	Johannesburg	+2:00
	Kabul	+4:30

Continent	City	Time Difference
	Kansas City	-6:00
	Kathmandu	+5:45
	Kingston	-5:00
	Krasnoyarsk	+7:00
	Kuala Lumpur	+8:00
	Kuwait	+3:00
	Kyiv	+2:00
	Las Vegas	-8:00
	Lima	-5:00
	London	+0:00
	Los Angeles	-8:00
	Madrid	+1:00
	Magadan	+11:00
	Manila	+8:00
	Mexico City	-6:00
	Midway Is.	-11:00
	Minsk	+2:00
	Moscow	+3:00
	Nairobi	+3:00
	New Caledonia	+11:00
	New Delhi	+5:30
	New Orleans	-6:00
	New York	-5:00
	Newfoundland	-3:30
	Novosibirsk	+6:00
	Nuku'alofa	+13:00
	Oslo	+1:00
	Ottawa	-5:00
	Panama	-5:00
	Paris	+1:00
	Prague	+1:00
	Rome	+1:00
	San Francisco	-8:00
	Santiago	-4:00
	Sarajevo	+1:00
	Seattle	-8:00
	Singapore	+8:00
	St. Petersburg	+3:00
	Stockholm	+1:00
	Sydney	+10:00
	Taipei	+8:00
	Tehran	+3:30
	Tokyo	+9:00
	Toronto	-5:00
	Tunis	+1:00
	Vancouver	-8:00
	Vienna	+1:00
	Warsaw	+1:00
	Yangon	+6:30
	Zagreb	+1:00
	Zurich	+1:00

(GMT)

## Appendix

### FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

### FCC NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

- Contains Transmitter Module  
FCC ID : RKXCK5000NVI
- Contains Transmitter Module  
IC : 5119A-CK5000NVI

### IC (Industry Canada) Notice

Operation is subject to the following two conditions:  
(1) This device may not cause interference, and  
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specification were met.

### ▲CAUTION

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

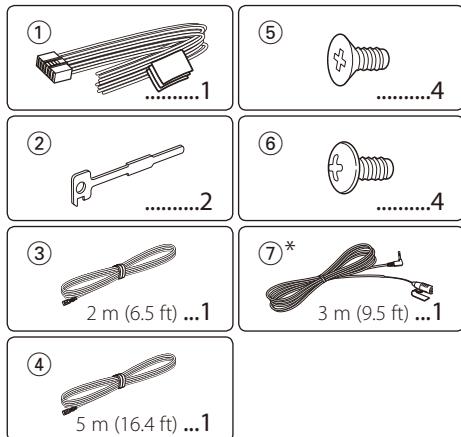
### CALIFORNIA, USA ONLY

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material – special handling may apply.

See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)

# Accessories/ Installation Procedure

## Accessories



\* KIV-BT901 only

## Installation Procedure

- 1 To prevent a short circuit, remove the key from the ignition and disconnect the  $\ominus$  battery.
- 2 Make the proper input and output wire connections for each unit.
- 3 Connect the speaker wires of the wiring harness.
- 4 Connect the wiring harness wires in the following order: ground, battery, ignition.
- 5 Connect the wiring harness connector to the unit.
- 6 Install the unit in your car.
- 7 Reconnect the  $\ominus$  battery.
- 8 While pressing the [Volume] knob and the [MENU] button, press the [SRC] button for at least 3 seconds. See <How to reset your unit> (page 3).

### ⚠ WARNING

If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.



- Mounting and wiring this product requires skills and experience. For safety's sake, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.

- If the power is not turned ON ("Protect" is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, as with battery wires, the battery may die.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the  $\ominus$  wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the  $\oplus$  connector of the left speaker to a front output terminal, do not connect the  $\ominus$  connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blisters, wipers, etc. on the car are working properly.
- Reception may drop if there are metal objects near the Bluetooth antenna.



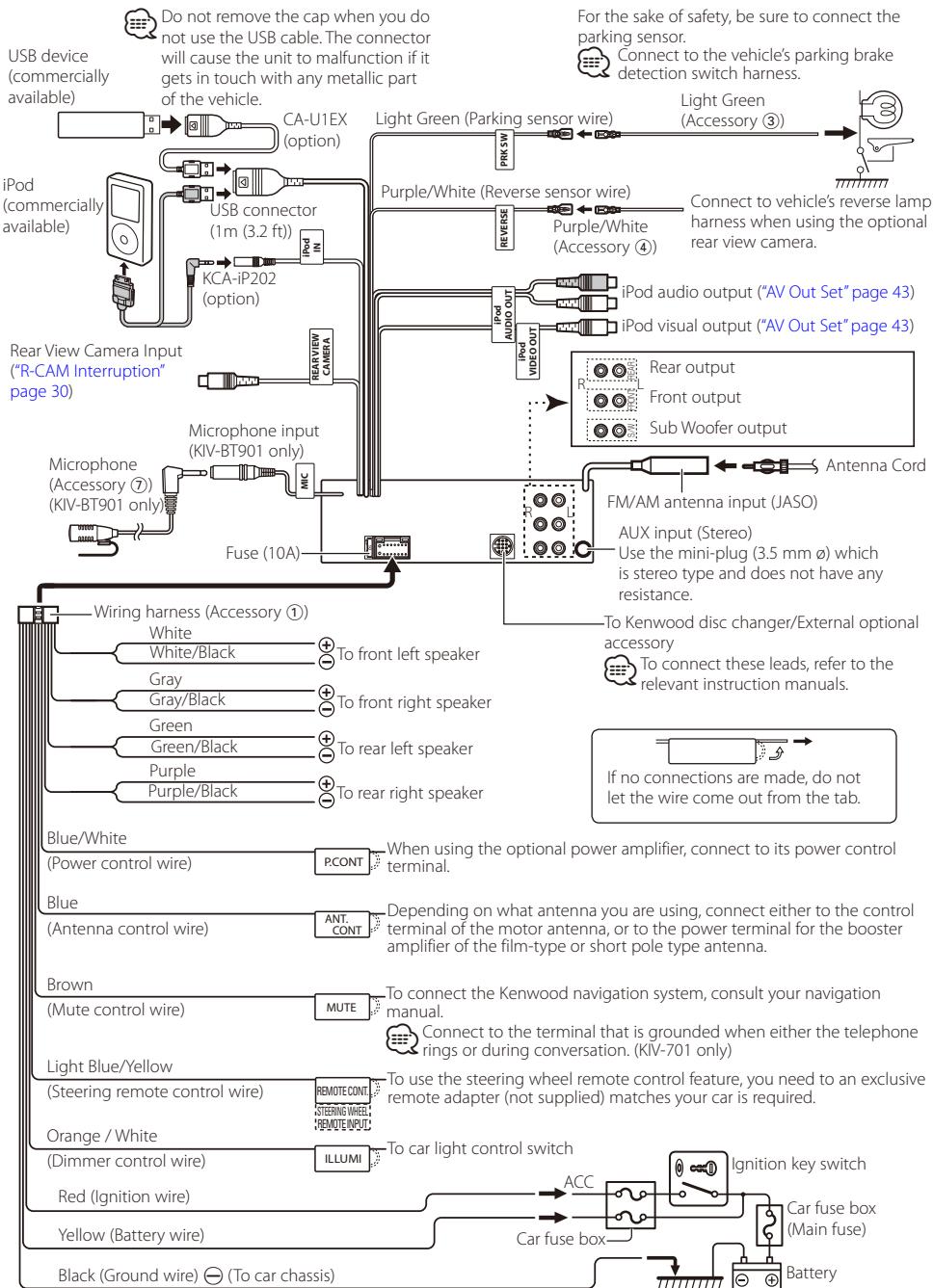
Bluetooth antenna unit

## For Good Reception

To assure good reception, note the following:

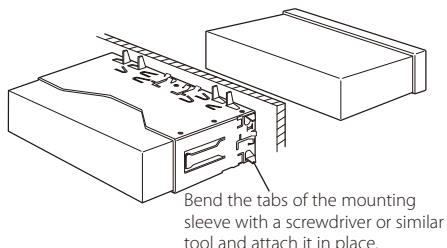
- Communicate with the cell-phone within the line-of-sight distance of 10 m (30 ft). The communication range becomes shorter depending on the surrounding environment. The communication range also becomes shorter when there is an obstacle between this unit and the cell-phone. The above maximum communication range (10 m) is not always assured.
- A broadcast station or walkie-talkie located nearby can interfere with communication due to too strong signal.

## Connecting Wires to Terminals



# Installation/Removing the Unit

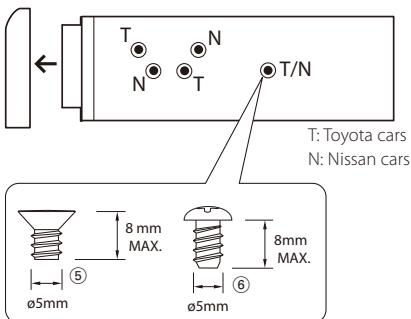
## Non-Japanese Cars



- Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (for example, the sound may skip).

## Japanese Cars

- 1 Refer to the section <Removing the Hard Rubber Frame> and then remove the hard rubber frame.
- 2 Align the holes in the unit (two locations on each side) with the vehicle mounting bracket and secure the unit with the accessory screws.



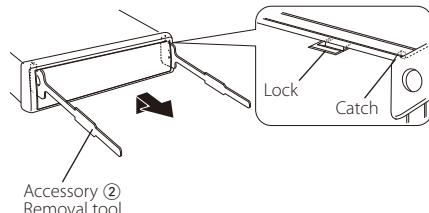
### CAUTION

Install this unit in the console of your vehicle.

Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.

## Removing the Hard Rubber Frame

- 1 Engage the catch pins on the removal tool and remove the two locks on the upper level. Lift up and pull the frame forward as shown in the figure.



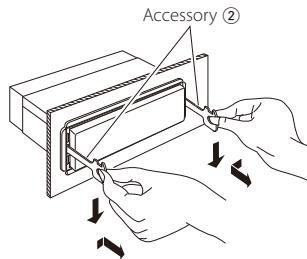
- 2 When the upper level is removed, remove the lower two locations.



- The frame can be removed from the bottom side in the same manner.

## Removing the Unit

- 1 Refer to the section <Removing the Hard Rubber Frame> and then remove the hard rubber frame.
- 2 Insert the two removal tools deeply into the slots on each side, as shown.
- 3 Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside.



- Be careful to avoid injury from the catch pins on the removal tool.

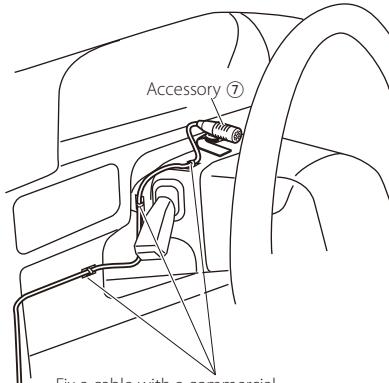
- 4 Pull the unit all the way out with your hands, being careful not to drop it.

## Installation/Removing the Unit

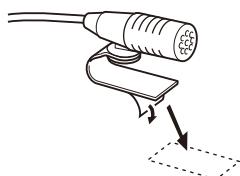
Accessory of KIV-BT901

### Installation the Microphone Unit

- 1 Check the installation position of the microphone (accessory ⑦).
- 2 Remove oil and other dirt from the installation surface.
- 3 Install the microphone.
- 4 Wire the cable up to the unit with it secured at several positions using tape or the like.



Fix a cable with a commercial item of tape.



Peel the release coated paper of double-face adhesive tape to fix on the place shown above.



Adjust the direction of the microphone to the driver.



- Install the microphone as far away as possible from the cell-phone.

## Troubleshooting Guide

Some functions of this unit may be disabled by some settings made on this unit.

**! • Cannot set up the subwoofer.**

- No output from the subwoofer.
- Cannot set up the subwoofer position of Manual position setting.

► The Dual zone function is enabled.  
☞ [<Dual Zone System> \(page 49\)](#)

• In the speaker select option, None is selected for the subwoofer.  
☞ [<Speaker Setting> \(page 50\)](#)

---

**! • Cannot set up the equalizer.**

- Cannot set up the Bass Boost.
- Cannot set up the Highway sound.
- Cannot set up the Supreme.
- Cannot set up the Position control.

► The Dual zone function is enabled.  
☞ [<Dual Zone System> \(page 49\)](#)

• The DSP function is disabled.  
☞ "DSP Set" of [<Audio Control> \(page 46\)](#)

• In the speaker select option, None is selected for the rear speakers.  
☞ [<Speaker Setting> \(page 50\)](#)

---

**! • Cannot select the output destination of the subsource in the Dual zone.**

- Cannot adjust the volume of the rear speakers.

► The Dual zone function is disabled.  
☞ [<Dual Zone System> \(page 49\)](#)

---

**! • Cannot set up Display.**

- [<Demonstration Mode Setting> \(page 44\)](#) is not turned off.

---

**! • Cannot switch to USB/iPod or Internal Memory source.**

- The Dual zone function is set to USB/iPod or Internal Memory.  
☞ [<Dual Zone System> \(page 49\)](#)

---

**! The number of songs contained in "Songs" category of this unit is different from that contained in "Songs" category of iPod.**

- Podcast files are not counted in this unit as this unit does not support the playback of podcast files.

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

## General

### ?

**The Touch Sensor Tone does not sound.**

- ✓ The preout jack is being used.
  - ☞ The Touch Sensor Tone cannot be output from the preout jack.

### ?

**The illumination flashes when the knob or button is operated.**

- ✓ This is the key illumination effect.
  - ☞ You set this effect in "ILLUMI Effect" of <Display Setting> (page 38).

### ?

**The key illumination effect brought about in conjunction with the sound volume is small.**

- ✓ The key illumination effect may be insufficient depending on the sound volume and sound quality.

### ?

**No image is output from the AV Output terminal of iPod.**

- ✓ "AV Out Set" is not set properly.
  - ☞ The "AV Out Set" of <Initial Settings> (page 43) is set ON.
- ✓ The Internal Memory source or Pandora source is selected.
  - ☞ Since the Internal Memory source or Pandora source cannot be used together with the iPod source, the output from the AV Output terminal stops.

## Tuner source

### ?

**Radio reception is poor.**

- ✓ The car antenna is not extended.
  - ☞ Pull the antenna out all the way.

## Audio file source

### ?

**The sound skips when an Audio file is being played.**

- ✓ The recording condition is bad.
  - ☞ Record the media again or use another media.

## Hands-free

### ?

**The hands-free talk volume is low.**

- ✓ The hands-free talk volume is set at a low level.
  - ☞ The hands-free talk volume can be adjusted independently. Adjust it during hands-free talk. "Mic Gain", "Noise Reduction" and "Echo Cancel Level" of <Bluetooth Setting> (page 54).

### ?

**No sound is heard from the rear speakers.**

- ✓ You are talking in the hand-free talk mode.
  - ☞ No sound is heard from the rear speakers in the hands-free talk mode.

### ?

**No beep is heard at reception of an incoming call.**

- ✓ No beep is heard depending on the type of your cell-phone.
  - ☞ The "Call Beep" of <Bluetooth Setting> (page 54) is set ON.

### ?

**Voice is not recognized.**

- ✓ The vehicle window is open.
  - ☞ If the surrounding noise is large, voice cannot be recognized properly. Close the vehicle windows to reduce noise.
- ✓ Small voice.
  - ☞ If voice is too small, it cannot be recognized properly. Speak into the microphone a little more loudly and naturally.
- ✓ The person uttering the voice tag is not the one who registered the it.
  - ☞ Only the voice of the person who registered the voice tag can be recognized.

## Bluetooth audio source

### ?

**The Bluetooth audio player cannot be registered (pairing).**

- ✓ The PIN code is fixed.
  - ☞ When a PIN code is specified in the Instruction Manual for Bluetooth Audio Player, register it with reference to <Registering PIN Code> (page 57) to register the Bluetooth audio player. If no PIN code is specified in the Instruction Manual, try "0000".

### ?

**The sound from the Bluetooth audio player is discontinuous.**

- ✓ The distance between this unit and audio player is too far.
  - ☞ Move the audio player nearer to this unit.
- ✓ Another Bluetooth device is affecting the Bluetooth communication.
  - ☞ Turn off another Bluetooth device.
  - ☞ Move another Bluetooth device away from this unit.
- ✓ Another Bluetooth device or profile is used for communication.
  - ☞ The downloading of the Phone book or the SMS disconnects the sound.

# Troubleshooting Guide

## The messages shown below display your system's condition.

TOC Error:	<ul style="list-style-type: none"><li>No disc has been loaded in the disc magazine.</li><li>The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.</li></ul>	USB ERROR:	<p>Some trouble may have occurred to the connected USB device.</p> <ul style="list-style-type: none"><li>Remove the USB device, then cycle the power switch to ON. If the same display is repeated, use another USB device.</li></ul>
Error 05:	The disc is unreadable.	iPod Error:	<p>Connection to the iPod has failed.</p> <ul style="list-style-type: none"><li>Remove the USB device and then reconnect it.</li><li>Reset the iPod.</li></ul>
Error 77:	The unit is malfunctioning for some reason. <ul style="list-style-type: none"><li>Press the reset button on the unit. If the "Error 77" code does not disappear, consult your nearest service center.</li></ul>	USB REMOVE (Blink):	<p>The Remove mode has been selected for the USB device/iPod. You can remove the USB device/iPod safely.</p>
Error 99:	Something is wrong with the disc magazine. Or the unit is malfunctioning for some reason. <ul style="list-style-type: none"><li>Check the disc magazine. And then press the reset button on the unit. If the "Error 99" code does not disappear, consult your nearest service center.</li></ul>	Over Capacity:	<p>Recording or copying was canceled because internal memory space ran out while copying from USB device.</p> <ul style="list-style-type: none"><li>Delete unnecessary files and record or copy once more.</li></ul>
Protect (Blink):	The speaker wire has a short-circuit or touches the chassis of the vehicle, and then the protection function is activated. <ul style="list-style-type: none"><li>Wire or insulate the speaker cable properly and press the reset button. If the "Protect" code does not disappear, consult your nearest service center.</li></ul>	Copy Error:	<ul style="list-style-type: none"><li>An incompatible digital audio player was used.</li><li>Cannot copy because the USB device is not firmly inserted.</li></ul>
Unsupported File:	An Audio file is played with a format that this unit can't support.	Delete Error:	<p>Abnormal condition detected while deleting or formatting.</p> <ul style="list-style-type: none"><li>Repeat the operation once more. This may take some time. If the message recurs, contact your nearest Kenwood dealer.</li></ul>
Copy Protection:	A copy-protected file is played.	Format Error:	
Read Error:	The file system of the connected USB device is broken. <ul style="list-style-type: none"><li>Copy the files and folders for the USB device again. If the error message is still displayed, initialize the USB device or use other USB devices.</li></ul>	Can't Download:	
No Device:	The USB device is selected as a source although no USB device is connected. <ul style="list-style-type: none"><li>Change the source to any source other than USB. Connect an USB device, and change the source to USB again.</li></ul>	Download Error:	<p>This unit does not work properly for some reason.</p> <ul style="list-style-type: none"><li>Press the reset button to download it again. If this error is still displayed, consult a local Kenwood dealer.</li><li>Try all over again from the start. If this error is still displayed, consult a local Kenwood dealer.</li></ul>
N/A Device:	<ul style="list-style-type: none"><li>An unsupported USB device is connected.</li><li>Connection to the iPod has failed.</li><li>Check that the connected iPod is an iPod that is supported. See <a href="#">&lt;iPod/iPhone that can be connected to this unit&gt; (page 70)</a> for information on supported iPods.</li></ul>	Writing Error:	<p>Writing failed while the file was downloaded.</p> <ul style="list-style-type: none"><li>Try the downloading again.</li></ul>
No Media File/Error 15:	<ul style="list-style-type: none"><li>The connected USB device contains no playable audio file.</li><li>Media was played that does not have data recorded that the unit can play.</li></ul>	<b>Tuner/ SIRIUS/ XM/ HD Radio reception</b>	
		Memory Full:	<p>The TAG Memory of HD Radio receiver or Radio Data System is full.</p>
		iPod Full:	<p>The iPod Memory is full.</p>
		No TAG Function:	<p>iPod which does not support the TAG Memory is connected.</p>
		N/A Channels:	<p>No receivable channel and category.</p>
		No Access:	<p>The procedure preset with mixed preset memory function cannot be available. The preset content may not be recalled depending on the selected band or source.</p>

## **Bluetooth**

No Number:	<ul style="list-style-type: none"><li>The calling party does not notify a caller ID.</li><li>There is no phone number data.</li></ul>
No Data:	<ul style="list-style-type: none"><li>There is no outgoing call list.</li><li>There is no incoming call list.</li><li>There is no missed call list.</li><li>There is no phone book list.</li></ul>
No Entry:	The cell-phone has not been registered (pairing).
HF Disconnect:	The unit cannot communicate with the cell-phone.
HF Error 07:	The memory cannot be accessed. ↳ Turn off the power and on again. If this message still appears, press the reset button on the control unit.
HF Error 68:	The unit cannot communicate with the cell-phone. ↳ Turn off the power and on again. If this message still appears, press the reset button on the control unit.
Un Known:	The Bluetooth device cannot be detected.
Device Full:	5 Bluetooth device have already been registered. No more Bluetooth device cannot be registered.
PIN Code NG:	The PIN code is wrong.
Connect NG:	The unit cannot be connected to the device.
Pairing Failed:	Pairing error.
Err No Matching:	The voice tag is wrong. Voice cannot be recognized because of an unregistered voice tag, etc.
Too Soft:	Voice is too small and cannot be recognized.
Too Loud:	Voice is too large to be recognized.
Too Long:	The word or utterance is too long to be recognized.
No Phonebook:	Data is not contained in the phone book.
No Message:	No short message in In Box.
No Voice Data:	The voice tag is not registered in the phone book.
Memory Full:	The number of voice tags reaches the maximum number to be registered in the phone book.
No Voice:	No call.

## **Pandora**

Pandora Error_01:	Registration in Bookmark has failed.
Pandora Error_02:	Deletion of the station has failed.
Pandora Error_03:	Registration of the station has failed.
Pandora Error_04:	The number of registerable stations has been exceeded.
Pandora Error_05:	Thumb up/down operation has failed.
Pandora Error_06:	Search has failed.
No Station:	No station is found.
Not available:	The station does not have an available song.
No skips remaining:	The skip count limit has been exceeded.
Check Device:	Start the Pandora application of the iPhone.

# Specifications

## FM tuner section

Frequency Range (200 kHz Space)  
: 87.9 MHz – 107.9 MHz  
Usable sensitivity (S/N = 30dB)  
: 9.3dBf (0.8 µV/75 Ω)  
Quieting Sensitivity (S/N = 50dB)  
: 15.2dBf (1.6 µV/75 Ω)  
Frequency response (±3 dB)  
: 30 Hz – 15 kHz  
Signal to Noise ratio (MONO)  
: 70 dB  
Selectivity (±400 kHz)  
: ≥ 80 dB  
Stereo separation (1 kHz)  
: 40 dB

## AM tuner section

Frequency range (10 kHz space)  
: 530 kHz – 1700 kHz  
Usable sensitivity (S/N = 20dB)  
: 28 dBµ (25 µV)

## Bluetooth section (KIV-BT901)

Version  
: Bluetooth Ver. 2.0 Certified  
Frequency range  
: 2.402 – 2.480 GHz  
Output Power  
: +4dBm (MAX), 0dBm (AVE) Power Class 2  
Maximum Communication range  
: Line of sight approx.10m (32.8 ft)  
Profiles  
: HFP (Hands Free Profile)  
: HSP (Headset Profile)  
: SPP (Serial Port Profile)  
: PBAP (Phone Book Access Profile)  
: OPP (Object Push Profile)  
: SYNC (Synchronization Profile)

## USB Interface

USB Standard  
: USB 2.0 (Full speed)  
Maximum Supply current  
: DC 5 V ... 1 A  
File System  
: FAT16/ 32  
D/A Converter  
: 24 Bit  
Frequency response (±1 dB)  
: 10 Hz – 20 kHz  
Signal to Noise ratio (1 kHz)  
: 110 dB  
Dynamic range  
: 93 dB  
Video decode  
: H.264/ MPEG4 AVC, MPEG 4, WMV  
Audio decode  
: MP3, WMA, AAC, WAV (Linear PCM)

## Monitor section

Picture Size  
: 3 inches (diagonal) wide  
: 65.52 mm (W) x 36.84 mm (H)  
Display System  
: Transparent TN LCD panel  
Drive System  
: TFT active matrix system  
Number of Pixels  
: 76,800 (320H x 240V x RGB)  
Pixel Arrangement  
: RGB delta arrangement  
Back Lighting  
: LED

## **Audio/ Video section**

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Maximum output power

: 50 W x 4

Full Bandwidth Power (at less than 1% THD)

: 22 W x 4

Speaker Impedance

: 4 – 8 Ω

Tone action

BAND1 (62.5 Hz): ±9 dB

BAND2 (250 Hz): ±9 dB

BAND3 (1 kHz): ±9 dB

BAND4 (4 kHz): ±9 dB

BAND5 (16 kHz): ±9 dB

Preout level / Load (CD-CH)

: 4000 mV/10 kΩ

Preout impedance

: ≤ 600 Ω

iPod terminal

Video output level : 1 Vp-p/ 75 Ω

Audio output level : 1.2 V/ 10 kΩ

## **Auxiliary input**

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Frequency response (±1 dB)

: 20 Hz – 20 kHz

Input Maximum Voltage

: 1200 mV

Input Impedance

: 10 kΩ

## **Rear view camera input**

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Input level

: 1 Vp-p/ 75 Ω (NTSC)

## **General**

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Operating voltage

KIV-BT901 (10.5 – 16V allowable) : 14.4 V

KIV-701 (11 – 16V allowable) : 14.4 V

Maximum Current consumption

: 10 A

Installation Size (W x H x D)

: 182 x 53 x 153 mm

7-3/16 x 2-1/16 x 6 inch

Weight

: 2.6 lbs (1.20 kg)

- Specifications subject to change without notice.
- Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.



This symbol mark indicates that Kenwood manufactured this product so as to decrease harmful influence on the environment.

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